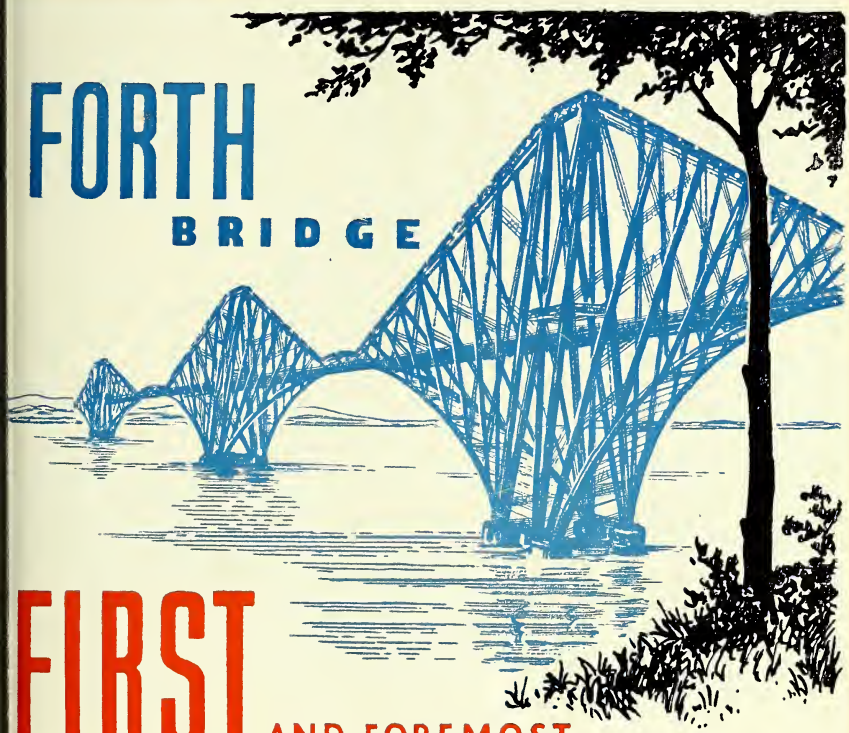
The
CHEMIST AND DRUGGIST
RETAILER – WHOLESALER – MANUFACTURER
FEBRUARY 19, 1949



FIRST AND FOREMOST
FOR DRUGS
AND PACKED GOODS
BURGOYNE BURBIDGES
Established 1741. & COMPANY LIMITED, LONDON. E.6

Index to Advertisers pp. 5 & 6

new eye-appeal

new sales-appeal

Tek Bristle toothbrushes in a sparkling new eye-catching, translucent pack . . . backed by the biggest Tek advertising campaign for years . . . and a brilliant range of display material, from this new

This permanent display stand is part of the Bonus Offer.

plastic display stand to the neat single-pack pedestal . . . with a really worthwhile bonus offer ! . . . and of course, the Johnson & Johnson Window-Dressing Service freely at your disposal . . .

Tek advertising, display and packaging are out to ensure that the trend to bristle — for correct care of teeth and gums — is a profitable trend for you !

Display Tek Bristle, with its gleaming new hygienic pack, in this neat little pedestal.

NOTE : Tek nylon and Tek Junior will continue to be sold in the familiar box packing.

Tek ★ bristle ★

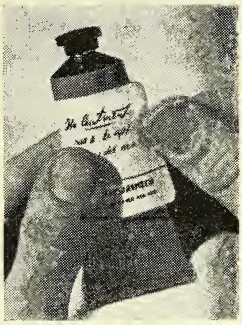
JOHNSON & JOHNSON (GREAT BRITAIN) LTD · SLOUGH · BUCKS

. . . *now* ONE OUNCE

. . . *and a new dispensing idea*

neet the majority of N.H.S. prescriptions for 'Ung. Penicillin. .' we now introduce a* 1-ounce tube of Penicillin Ointment . *Glaxo*—and in a form that almost dispenses itself !

; new size is issued in boxes containing twelve tubes. The vidual tube bears only the identity of the preparation in ll type, which is easily covered by your own pharmacy label he time of dispensing. The result—an elegant pack ; a thwhile saving in time ; and the assurance that you are ting prescriptions with a preparation that has behind it the name in penicillin—Glaxo.



GLAXO

PENICILLIN OINTMENT B.P. *Glaxo*

1 oz. tubes in boxes of twelve . . . . 16/- net per box
face price . . . . 2/- per tube

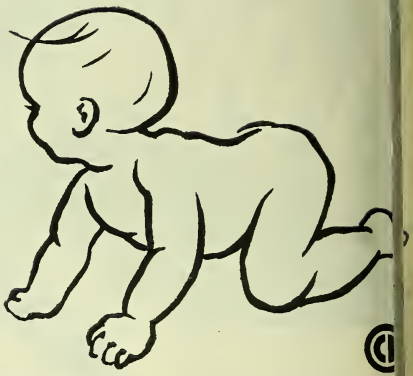
** Available from 19th February from your usual pharmaceutical wholesaler*

.AXO LABORATORIES LTD., GREENFORD, MIDDLESEX. BYRon 3434

A

a move ahead . . .

a new vitamin solution for infants and children



"ABIDEC" DROPS

P.A.T.A

This new Parke-Davis preparation represents an important advance in the administratio of vitamins. In 'Abidec' Drops it is now possible to give six essential vitamins, of bot "water-soluble" and "fat-soluble" groups, in a stable, non-oily and non-alcoholic solutior The ready miscibility and small dosage of 'Abidec' Drops enable them to be added to infants and children's food, either solid or liquid, without appreciably altering either taste o appearance; or the dose may be dropped directly on to the tongue with little risk of nausea

In 10 c.c. dropper-vials. M.R.P.: 5/6 (Exempt P.T.)

Each 5 minim dose contains:

Vitamin A -	2500 International units
Vitamin D -	500 International units
Vitamin B_1 (Aneurin. hyd.) -	0.5 mgm.
Vitamin B_2 (Riboflavine) -	0.2 mgm.
Nicotinamide - - -	2.5 mgm.
Vitamin C (Ascorbic acid) -	12.5 mgm.

Dosage: for infants under 1 year: 5 minims, for older children and adults: 10 minims.

Parke, Davis & Co.
HOUNSLOW
Middlesex

Telephone: Hounslow 2361 (11 lines)
Inc. U.S.A., Liability Ltd.

Profits for you

THIS winter our National Press Advertising stresses to millions of potential customers the importance of resisting colds and influenza by taking regularly CROOKES HALIBUT OIL AND CAPSULES.

All you need do is to be ready to cash in on the bigger than ever demand for our famous product which gives you a *profit* of *nearly 40%* if bought on bonus terms.

CROOKES HALIBUT OIL

CROOKES HALIBUT OIL

STANDARD BONUS PARCELS

PARCEL E	39 x 25 Capsules @ 2/6 Retail Total retail value Cost of parcel ...	 £4 17 6 £3 0 9
PARCEL G	13 x 15 c.c. Drops @ 5/- Retail Total retail value Cost of parcel ...	 £3 5 0 £2 0 6
PARCEL H	39 x 5 c.c. Drops @ 2/- Retail Total retail value Cost of parcel ...	 £3 18 0 £2 8 7
PARCEL J	13 x 30 c.c. Drops @ 9/- Retail Total retail value Cost of parcel ...	 £5 17 0 £3 12 11
PARCEL L	13 x 100 Capsules @ 8/6 Retail Total retail value Cost of parcel ...	 £5 10 6 £3 8 10
PARCEL M	39 x 100 Capsules @ 8/6 Retail Total retail value Cost of parcel ...	 £16 11 6 £10 6 6
PARCEL P	13 x 15 c.c. Infants Emulsion @ 3/6 Retail Total retail value Cost of parcel ...	 £2 5 6 £1 8 4

THE IMPORTANCE OF FEMININE HYGIENE...

SHE SEEKS *your* GUIDANCE

It is one of the responsibilities in Pharmacy to give guidance and professional advice when called upon to do so.

Women to-day especially value this service knowing that your impartial opinion is based upon years of pharmaceutical knowledge. In matters relating to Birth Control it is always wise to suggest Rendells. For over sixty years the original full strength formula has proved harmless, completely dependable, and recent clinical tests also confirm there is no better or more convenient contraceptive.

Rendells

PRODUCTS FOR FEMININE HYGIENE

W. J. RENDELL LTD. HARDWICK HOUSE · 161-5 ROSEBERY AVENUE · LONDON E.C.1

INDEX TO ADVERTISERS

hi Manufacturing Co., d. viii
d Drug and Chemical Co. 18
o-American Distributing ., Ltd. 24
our & Co., Ltd. 22

er, R., & Son, Ltd. ...xxxiv
son, Clark & Co., Ltd. viii
lah, J. & J., Ltd. 24
hams Pills, Ltd. 23
John, Hills & Lucas, d. .....Leader Page
oe & Fish .....Col. Supp.
Doral, Ltd. xxi
sh Chemicals & Biologi- s, Ltd. 25
sh Cod Liver Oils (Hull Grimsby), Ltd. xxiv
sh Drug Houses, Ltd., e 9
sh Rodent Exterminator o., Ltd. xix
sh Rototherm Co., Ltd. ix
ok, Parker & Co., Ltd. xxxiv
n Mnfg. Co., Ltd. 30
oyne Burbidges & Co., d. .....Front Cover
ough, James, Ltd. Leader Page
oughs Wellcome & Co. xxxiii, 37
er & Crispe 19

Cannon Rubber Manufacturers, Ltd. 5
Caton & Son.....Leader Page
Continental Laboratories, Ltd. 29
Copley, F., & Co. iv
Cow, P. B., & Co., Ltd. ...xxviii
Cox, Arthur H., & Co., Ltd. 8
Crookes Laboratories, Ltd. ... 3
Crosskill, C. R., & Sons ... 29
Cupal, Ltd. xxxiv
Cyanamid Products, Ltd. ... xx

Dae Health Laboratories, Ltd. xxvii
Dales Aspirin & Tableting Co. 29
Dalmas, A. de St. Co., Ltd. 16
Damancy & Co., Ltd. xxx
Dangoor, N. S., Ltd. xxxvii
Daniel, Richard, & Son, Ltd. 13
Davenport, J. T., Ltd. xxxii
Dols Volatalise Flannel xxx
Dufay Chromex, Ltd. 20
Dyanese, Ltd. xxxiv

Edwards Surgical Supplies xxxviii

Favell, T. J., & Co., Ltd. ... ii
Fecher, M. J., Ltd. 6
Fennings, A. .....Leader Page
Ferber, Robert, Ltd. 26
Ferris & Co., Ltd. 29
Ferryman, Herbert, Ltd. ... 26
Focus, Ltd. xvi

Franco-British Glass Co., Ltd. x
Freeder Brothers Paper Mills, Ltd. x
Freudentheil, Smith & Co. Leader Page
Fulford, G. T., Co., Ltd. ... 20
Fulmer Engineering, Ltd. ... ix

Gillette Industries, Ltd. xi
Glaxo Laboratories, Ltd. 1
Gnome Photographic Products, Ltd. xiii
Goodall, Backhouse & Co., Ltd. 32
Goodman, J. (Chemicals), Ltd. v
Gould, N. & M., Ltd. Leader Page
Gosheron, John, & Co., Ltd. 34
Guest, Thos., & Co., Ltd. ... 22

Haetem, Ltd. 26
Hampshire, F. W., & Co., Ltd. xxv
Henderson Bros., & Co., Ltd. 28
Hersom, A. G. vi
Herts Pharmaceuticals, Ltd. Cover iv
Hewlett, C. J., & Son, Ltd. 27
Hough, Hoseason & Co., Ltd. 14
Howards & Sons, Ltd. i
Hudnut, Richard, Ltd. 12
Hurtley, F., Ltd. xii

(*continued overleaf*)

PROFIT in COMFORT

The "Ripple" and "Dolphin" hot water bottles, built by Cannon Rubber for British winters, will be in demand as much for their attractive design and gay colouring as for their sturdy, durable construction. Packed in smart, hygienic, transparent envelopes these hot water bottles are eminently suitable for counter display. Check your stocks for the winter, now! (Obtainable from your regular wholesaler).

Built for British Winters!

CANNON RUBBER

HOT WATER BOTTLES

IE CANNON RUBBER MANUFACTURERS LIMITED, LONDON, N.17

INDEX (cont.)

Imperial Chemical (Pharmaceuticals), Ltd. 17
International Chemical Co., Ltd. xxxi

Jay, A. E., Ltd. xxxviii
Jarvie, Hugh & Co., Ltd. ... iv
Jobling, J. A., & Co., Ltd. ... vi
Johnson & Johnson (G.B.), Ltd. .....Cover ii
Jones & Bailey, Ltd. xxxvi

Keeling & Walker, Ltd. ii
Kemsales, Ltd. xxiv
Kent, G. B., & Sons, Ltd. ... 34

Lennon, Ltd. ii
London & Northern Trading Co., Ltd. xxxviii
Luminos, Ltd. xxxvi

Mandleberg's xiii
Marns, T., Ltd., (Arrid) ...xxviii
Mather, Wm., Ltd. vi
Matthews & Wilson, Ltd. ... 28
Maw, S., Son & Sons, Ltd.... 11
Mawdsley, D., & Co. x
Medico - Biological Laboratories, Ltd. xxxv
Moat, Henry & Son, Ltd. Col. Supp.
Momand, Don S., Ltd. 10
Moore Medicinal Products, Ltd. xxix

Mysore, Trade Commissioner for, in London vii

Napp, H. R., Ltd. ...Leader Page
Neill, James, & Co. (Sheffield), Ltd. xviii
North British Rubber Co., Ltd. xxxii
Nu-Bronze, Ltd. x

Oakfield & Co. .....Leader Page
Orridge & Co. .....Col. Supp.

Parke, Davis & Co. 2
Pifco, Ltd. xiii
Pin-up 36
Potter & Clarke, Ltd. 35
Progress Shaving Brush Co., Ltd. 24

Rayner & Co., Ltd. xxvi
Reckitt & Colman, Ltd. xxvi
Rendell, W. J., Ltd. 4
Riley, J., & Sons, Ltd. viii
Roberts Windsor Soap Co., Ltd. xix
Robinson & Sons, Ltd. ...15, xxx
Rodmill Chemical Co., Ltd. xvi
Rozalex, Ltd. xviii

Samuelson, P., & Co. ii
Saville Perfumery, Ltd. 31
School of the Institute of Optical Science .....Col. Supp.
Scrubb & Co., Ltd. xviii
Scurr, C. A. xxxviii
Sessions, Wm., Ltd. Leader Page

Shaw, Robert & Co., Ltd. 2
Sherley, A. F., & Co., Lt
Silvikrin .....
Simpkin, A. L., & Co., Lt 34
Surgical Hosiery Co., Ltd.
Suter, A. F., & Co., Ltd. ..

Tampax, Ltd. .....
Thompson & Capper Whol sale, Ltd. .....
Townsend, J., & Sons, Lt

Universal Metal Product Ltd. .....

Vanity, Ltd. x
Veno Drug Co., Ltd. .....
Vines Biocrin, Ltd. .....

Wallis Laboratory, Ltd. ...
Wander, A., Ltd. .....
Walton, T. H., & Co., Lt
Ward, Blenkinsop & Co., Lt
Warner, W. R., & Co., Lt
Warrick Bros., Ltd. .....
Webster, Isaac, & Sons, Lt
Wesco House, Ltd. .....
Westminster Laboratories, Lt
Whiffen & Sons, Ltd. ...Co
Wilkinson, S. W., & Co. .
Woolf, Lewis, Ltd. .....

Zems, Ltd. .....
Zimmermann, C., & Co., Lt

FITTED BOTTLES FOR PACKER

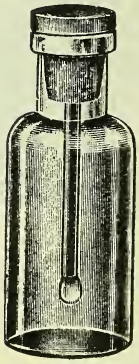
Illustrated are a few fitted bot from our big range. Prices are com titive. Complete lists sent on requ

No. 801
"OILTITE" POISON

No. 308
"REGULATOR"

No. 800
"OILTITE"

No. 462
CORN CURE



No. 817/V
IODINE

WRITE THE ACTUAL MAKERS:—

M. J. FECHER LTD

121 HIGH STREET, SLOUGH, BUCKS

SLOUGH 21854

Confidence turns into Cash!

Phensic
Cassell's
Veno's
Germolene - Germoloids

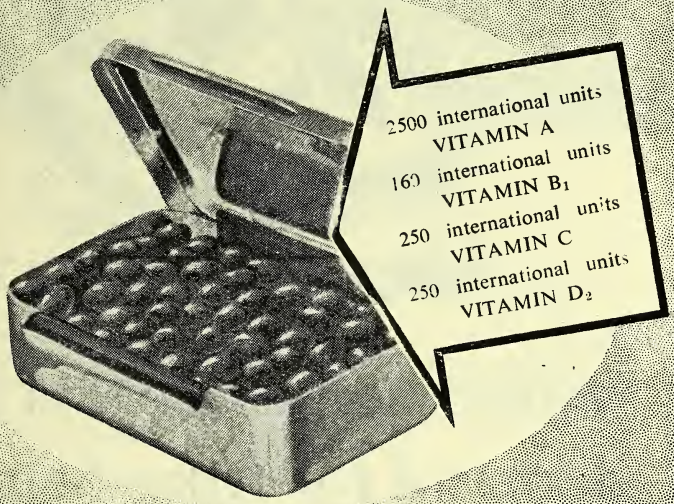
The cash you take for these famous Veno products comes over your counter on a tide of goodwill. Don't stem this tide for lack of stock ! Order now ! TERMS : Combined orders amounting to £3 and upwards from qualified Chemists will be subject to 10% for display co-operation in addition to our usual 2½% discount for monthly account.

P.A.T.A.

Veno Drug Co. Ltd., Chester Rd. Manchester. 16.

COX OF BRIGHTON
for
PILLS
TABLETS
ARTHUR H. COX & CO. LTD., BRIGHTON, 7. SX

4 points of importance



about MULTIVITE

Trade Mark

HIGH CONCENTRATION The vitamin content of Multivite is such that the normal daily dose supplies the full requirement of the four vitamins even if they are otherwise absent from the diet.

CONVENIENCE Two pellets daily constitute the normal adult requirement.

EASY TO TAKE The chocolate coating and pleasant flavour ensure ready acceptance.

EASY TO SELL Multivite enjoys a wide popularity among medical men and the public. Your customers will welcome its ready availability after several years of short supply.

PRICES

	Trade	Retail	
Tins of 75 pellets	3/7½	5/3	P.A.T.A.
Bottles of 500 pellets	18/-	for dispensing	
Bottles of 1000 pellets	34/-		

THE BRITISH DRUG HOUSES LTD. LONDON N.1

Mlvt/T/2

Winter colds mean a big demand for Alka-Seltzer

Alka-Seltzer's quick double-action is making double-quick sales. More and more people, prompted by vigorous advertising and word-of-mouth recommendation, are discovering what fast relief Alka-Seltzer brings from that feverish, headache-y, ache-all-over feeling and other discomforts of a cold. Only in Alka-Seltzer do you get a pain-reliever and an alkalizer combined in a quick-acting effervescent tablet. Are you getting your share of the business it is building?

Write for trade price list and details of display discounts

Don S. Momand Ltd

57 ALBANY STREET · LONDON · N.W.I

Sole Distributors for Miles Laboratories Established 1880

THE HOUSE OF Maw

meritor

CHEMISTS' SUNDRIES

The name Meritor in Chemist Sundries is a guarantee of high quality. It is the main brand name of the House of Maw—one of the foremost Companies in the Chemists Trade. For over 140 years Maw's have supplied reliable products to Chemists all over the world.

The Meritor Series is renowned also for its outstanding packaging. Every Meritor item is presented in a manner significant of the high quality of the product and designed to provide the maximum display value.

LEADING MERITOR LINES INCLUDE:—

MERITOR TOOTHBRUSHES
MERITOR TOILET BRUSHWARE
MERITOR D.D.T. ANTIMOTH
MERITOR PLASTIC EYE BATHS
MERITOR BABY POWDER
MERITOR PACKED PHARMACEUTICALS
MERITOR OINTMENTS
MERITOR MANICURE REQUISITES
MERITOR SUNGLASSES
MERITOR CORN & BUNION PLASTERS
ETC., ETC.

There are over fifty items in the Meritor Series, not including individual items of packed pharmaceuticals

IT WILL PAY YOU TO PUSH MERITOR GOODS AT EVERY OPPORTUNITY

S. MAW, SON & SONS, LTD., BARNET, HERTS

The House of Maw
• SUNDRIES • PROPRIETARIES
• AGENCY LINES

NEW BUSINESS- with a Display Bonus offer to give you a profit of 46%

WORLD - FAMOUS COSMETIC HOUSE SPONSORS THESE FOUR NEW HAIR BEAUTY PREPARATIONS

1 ENRICHED CREME SHAMPOO

A luxurious, enriched, golden creme shampoo. Leaves hair soft and radiant. Delicately perfumed. Especially suited for use before "home perm".

8 oz: 51/- doz., I.R.P. 7/6d.
2 oz: 17/- doz., I.R.P. 2/6d. (33⅓% TAX).

2 CREME RINSE

A revolutionary treatment for dull, dry hair, for use after a shampoo. Leaves hair wonderfully soft and easy to manage. Particularly suitable for use after a Permanent Wave.

8 oz: 37/9 doz., I.R.P. 5/6d.
2 oz: 15/- doz., I.R.P. 2/3d. (33⅓% TAX).

3 DANDRUFF TREATMENT

31% of women give dandruff as their chief hair worry. This effective and refreshing treatment has no unpleasant odour and fills a real need. Active ingredient, Alkyl dimethyl benzl amonium chloride.

8 oz: 37/9 doz., I.R.P. 5/6d.
2 oz: 15/- doz., I.R.P. 2/3d. (33⅓% TAX).

4 CREME HAIR DRESSING

The merest trace of this lanolin-rich creme keeps the hair lustrous and neat with a look of "salon grooming". The delicate pink colour gives it a strong feminine appeal.

4 oz: 24/6 doz., I.R.P. 5/-.
2 oz: 15/- doz., I.R.P. 3/-.
(100% Tax).

THE COMPLETE Richard Hudnut HAIR BEAUTY RITUAL KIT

Contains one 2 oz. bottle of each preparation and is attractively packed in a travelette pack.

Richard Hudnut
HAIR BEAUTY PREPARATIONS
MADE BY THE MAKERS OF THREE FLOWERS COSMETICS

DON'T DELAY! WRITE TODAY FOR BOOKLET AND ORDER FORM

RICHARD HUDNUT LIMITED · POWER ROAD · LONDON · W.4

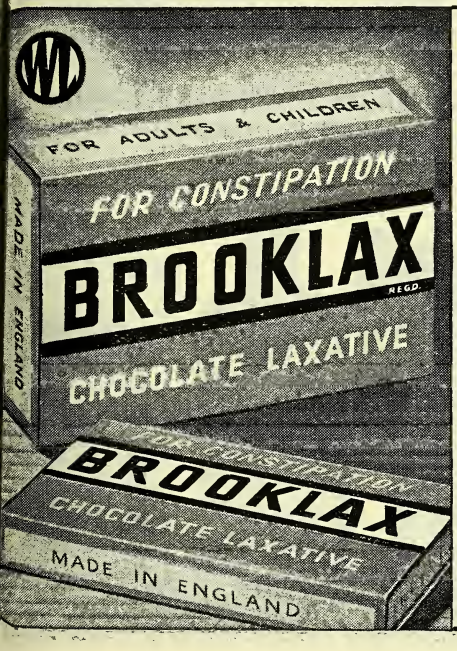
Richard Daniel & Son Ltd

PROPRIETARIES
SUNDRIES DRUGS
TABLETS & PILLS

FOR CHEMISTS

Manufacturing Chemists

ad Office & Works Mansfield Road Derby Telephone 4266 (3 lines). Branch Warehouse Grosvenor St. Ashton-under-Lyne Telephone 2816 (2 lines)



5 REASONS

why you should display and recommend BROOKLAX

1 BROOKLAX satisfies the highest pharmaceutical standards.

2 BROOKLAX commands wide sales both at home and in 65 markets the world over.

3 BROOKLAX is 100% British.

4 BROOKLAX is 100% C.F.

5 BROOKLAX brings you both PRESTIGE and PROFIT.

A Product of

WESTMINSTER LABORATORIES LTD.

Chalcot Road, London, N.W.1

Telephone: PRImrose 3395/6/7

PATA

Up and Coming!

Your customers will be glad when they kno that you can supply them with ZAC Bab Products which are steadily but *surely* comir into the ranks of the big sellers.

Top in quality — moderate in price — consistently advertised and showing you, the retailer, first-rate terms, they form the ideal combination for good business.

31 Million Adverts

in next 3 months alone

During the next 3 months alone over 31 million adverts for ZAC Baby Products will appear in all the leading Women's Weekly, Fortnightly and Monthly publications as well as in a long list of Provincial Newspapers. Demand is assured. Send for a small parcel forthwith to avoid disappointing your customers.

HOUGH, HOSEASON & COMPANY LIMITED
ATLAS LABORATORIES, MANCHESTER 19

PILL BOXES

SCARLET
(G.P.O.)
WHITE
(P.I.)
PURPLE
W.E.(P.I.)

PURPLE
FLANGED

LITTLE JOHN" DRUMS

RYSTALS. POWDERS,
TABLETS

INTMENT BOXES

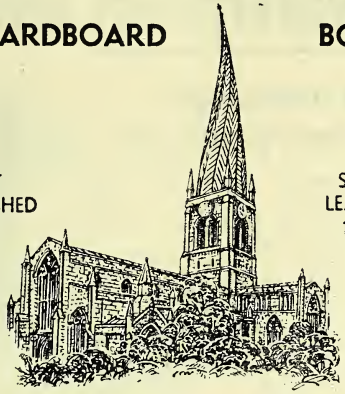
CHEPETTE
GREASEPROOF

SEALITE
WAX IMPREGNATED

ROBINSONS' OF CHESTERFIELD

For CARDBOARD BOXES

FIRST
ESTABLISHED
1839



STILL
LEADING
1949

FOR OVER A CENTURY

STOCK ROUND BOXES FOR THE CHEMIST

HAVE BEEN
MANUFACTURED
BY

ROBINSONS' OF CHESTERFIELD

All boxes in these categories are now **back to pre-war standards.**

The quality being improved by modern methods of manufacture.

Specifications and standards are in accordance with— **N.H.S. and B.S.I. Specifications.**

Supplies are **Unrationed** and your full order can be met through your usual source.

TELEGRAMS: "BOXES, CHESTERFIELD."

ROBINSON & SONS, LTD.,
Wheat Bridge Mills,
CHESTERFIELD.

TELEPHONE: 2105 (6 LINES.)

LONDON OFFICE: KING'S BOURNE HOUSE, 229-231, HIGH HOLBORN, W.C.1.
TELEPHONE: HOL. 6383.

News from DALMAS of Leicester

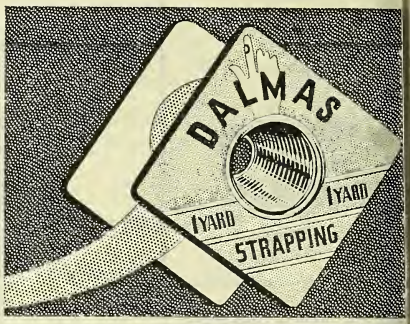
New waterproof adhesive strappin

Supplies increased to meet heavy demand

Demand is already heavy for Dalmas Strapping, a new plastic adhesive that has the great advantage of being absolutely *waterproof*. Because of this, supplies have been greatly increased.

Especially suitable for tiny cuts, sore places, torn finger nails, etc., Dalmas Strapping gives 100% protection against water, dirt, grease and acid. In particular, it is ideal wherever a bandage would be awkward. Because Dalmas Strapping stretches *all* ways, edges stick tight while allowing free movement of joints and muscles.

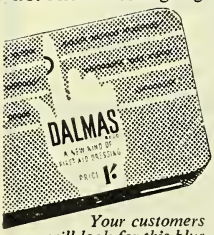
Dalmas Strapping is skin-coloured, hardly shows. Attractive sell-outs contain twelve 1/- spools, each 1 inch by 1 yard, price 8/-; or 24 spools, price 16/-. Special quantity discounts. Also in 2″ and 3″ widths. PLACE YOUR ORDER NOW!



Dalmas Strapping stretches all ways, is ideal for pla where a bandage would be awkward

Dalmas First-Aid Dressings

Dalmas, a *waterproof* plastic dressing, provides a totally new method of protecting cuts and minor wounds. Like Dalmas Strapping, Dalmas First-Aid Dressings give complete protection against water, dirt, grease, acid—you can actually *wash with them on!* Edges stick tight, can't fray, can't catch in clothes. Dalmas lessens infection risk, promotes safe and easy healing.



Your customers will look for this blue and white box.

In blue and white counter sell-outs, containing one dozen 1/- boxes, price 8/-.

DALMAS BOIL PLASTERS

A new *waterproof* protective dressing for boils. Skin-coloured, hardly shows. Handy boxes, price 1/- retail.

DALMAS HEEL DRESSINGS

A *waterproof* dressing that is specially designed for sore and blistered heels. Handy boxes, price 1/- retail.

DALMAS FINGER-TIP DRESSINGS

A new *waterproof* adhesive protection for cracked, cut or sore finger-tips. Handy boxes, price 1/- retail.

A. de St. Dalmas & Co. Ltd

Leicester (Leicester 65261)

London Depot: 140-142 St. John St., E.C. (Clerkenwell 3399)

Leeds Depot: 14 Neville Street (Leeds 29764)

Scottish Agents: Robert Telford, 29 Waterloo Street, Glasgow, C.2 (Central 2716)

PROLONGED HIGH PENICILLIN LEVELS

'Avloprocil' provides a most reliable and convenient means of administering penicillin. A single injection produces a therapeutic blood level of penicillin for periods of 24 hours, so that one daily dose is adequate for effective treatment.

'Avloprocil' contains the Procaine salt of Crystalline Penicillin in sterile oily suspension (300,000 units per c.c.).

Issued in 10 c.c. vials. Single vials and boxes of 5.

'Avloprocil'

TRADE MARK

IMPERIAL CHEMICAL [PHARMACEUTICALS] LIMITED
(A subsidiary company of Imperial Chemical Industries Ltd.)
MANCHESTER

ICI

Ph.329

Distinctive Pack

"TARTAN" BRAND MALT EXTRACT with COD LIVER OIL B

Delicious Butterscotch Flavour

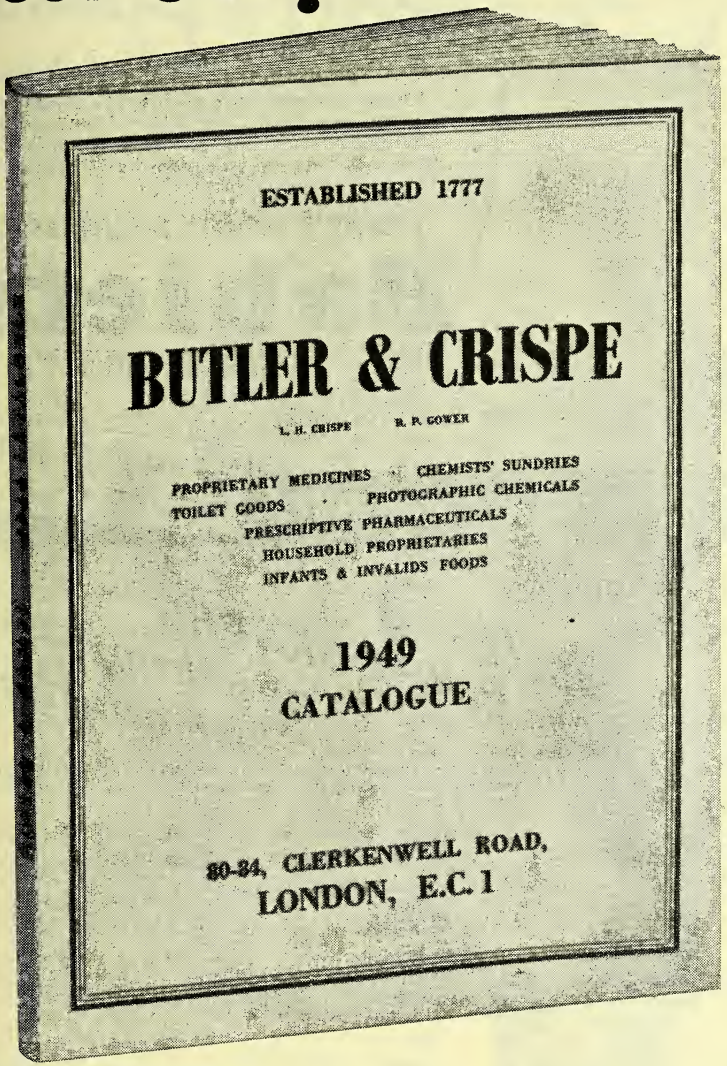
1 and 2 lb. Sizes Now Available for Immediate Delivery.

Particulars and Prices of this and other packs on application.

THE ALLIED DRUG & CHEMICAL CO

1, ROBERT ST., HAMPSTEAD RD., LONDON, N.W.1. Phone : EUSton 25

JUST OUT!



HAVE YOU RECEIVED YOUR COPY?
IF NOT—PLEASE SEND A POSTCARD.
LIMITED EDITION.

C

NOW IN 3½D BAGS!

FOR CONVENIENT STOCKING AND SELLING

Recent area tests have uncovered a demand for a small-size Bablets pack—hence the new 3½d. envelope (containing six Bablets) which you can show and sell alongside the 1/7 size in its display carton

THERE'S GOOD BUSINESS IN

Bablets

Baby's Own Laxative and Carminative

Obtainable from Wholesalers

Display material, etc., from :—
G. T. FULFORD CO. LTD. (of Canada)
8 Royston Park Road, Hatch End, Middlesex

3½D SIZE PACKED IN BONUS BOXES: **24 + 4 FREE PKTS.** TRADE PRICE 4/4, P.T. 1/9

A DUFAY PRODUCT

FLASH ATTACHMENT. Easily fitted and automatically operated by the opening of the camera shutter.

It PHOTOGRAPHS anything— at anytime!

Here's a camera you can recommend for beginners and experienced photographers alike. Consider these outstanding features of the Coronet Standard Cub.

- Time and instantaneous shutter
- Two stops, f/11 and f/16
- Super Tubular Direct Vision Viewfinder
- Synchronised for Flash
- Plastic Body, Morocco grain finish
- Lens Barrel, top and bottom panels in aluminium
- New simplified loading
- Takes Coronet 888, Kodak or Ilford 88 roll film
- Picture size 28 x 40 mm.
- Fitted with lugs for neck s
- Neck straps with new swi for attaching to lugs.
- "Ever-ready" Case and P available
- Attached "Tripod" device

The Coronet STANDARD Cub CAMERA

PRICE — Complete with Synchronised Flash attachment **£5 : 11 : 3** *(inc. Purchase Tax).*

DUFAY-CHROMEX LTD., 14-16 Cockspur Street, London, S.W.1 Telephone: Whitehall 6

«WB»

ADAPRIN

TABLETS

for the treatment and prevention of

CHILBLAINS

A new «**WB**» product recently introduced to meet a widespread need, ADAPRIN tablets contain the Vitamin K analogue (Acetomenaphthone 10 mgm.) and Vitamin PP (Nicotinamide 50 mgm.) in proportions suitable for the effective treatment and prevention of Chilblains.

Three to four tablets daily provide relief in most cases within a short period.

The ADAPRIN Display Pack is an unique sales unit complete with literature for the interest of your customers.

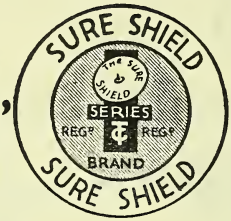
Attractive Showcards are also available for Window and Counter display.

Available in units of 12 tubes of 25 tablets. Retail price 2/6 per tube
(Subject to usual discounts)

ARD, BLENKINSOP & CO. LTD.
6 HENRIETTA PLACE, LONDON, W.1
ephone: LANGHAM 3185 Telegrams: DUOCHEM, WESDO, LONDON

A NAME
and a
STANDARD

"SURE SHIELD"
PRODUCTS



'SURE SHIELD'
IODISED THROAT TABLETS

'SURE SHIELD'
FRUIT LAXATIVES

'SURE SHIELD'
GLYCERINE of THYMOL PASTILLES

LOZENGES. PASTILLES. TABLETS.

IN BULK and ATTRACTIVE PACKS

DELIVERIES. The position is now much improved. Although we are producing to our full capacity we still have to take orders in rotation and are making every effort to maintain an equitable distribution of our PRODUCTS.

Thos. Guest & Co. Ltd. *Manufacturing Chemists*
Carruthers Street, Manchester, 4

GLANOID

Capsules Vitaminorum N.(W.)F. A.B.C.D.
60/- per 1,000 Nett

Capsules Liquoris Vitaminorum A et D Concentrati N.(W.)F.
32/6 per 1,000 Nett

Capsules Olei Hippoglossi N.(W.)F.
32/6 per 1,000 Nett

•

Ample Supplies Available

•

EXEMPT FROM PURCHASE TAX

THE
Armour Laboratories
(ARMOUR AND COMPANY LTD.)
LINDSEY STREET · LONDON · E.C.1
Telephone: Clerkenwell 9011
Telegrams: "Armosata-Phone," London

Things to keep in mind about

BEECHAM'S LUNG SYRUP

.T.A.

Suitable for Wet or Dry coughs

Antitussive and Expectorant

Palatable and Mildly Antiseptic

There can be no substitute for the goodwill of the buyer. Neither can there be any substitute for the sincere and unreserved recommendation of the chemist. The name and formula of Beecham's LUNG SYRUP bring profit and prestige wherever it is sold. It is the HOME AND FAMILY remedy — and the time is now ripe to show your stocks.

A GOOD SHOW will bring in the customers

BEECHAMS PILLS LTD., ST. HELENS, LANCASHIRE

Michel

Exquisite Charm

SOLE DISTRIBUTORS U.K.
ANGLO-AMERICAN DISTRIBUTING CO., LTD.
DANES INN HOUSE, 265, STRAND, LONDON, W.C.2

The LONDON SERIES

Famous London Place Names denote a new VULFIX Series of 6 Luxury-type Shaving Brushes at a modest price range.

Our London office will send on request copies of a fully illustrated Brochure, an artistic souvenir of some of London's Famous Landmarks

PROGRESS SHAVING BRUSH CO., LIMITED
MOTTRAM STREET, STOCKPORT
Telephone: STOckport 2147
49 LEADENHALL ST., LONDON, E.C.3
Telephone: ROYal 2857

ALWAYS IN DEMAND

Beaulah's

MALTED MILK

PACKED IN ONE POPULAR SIZE
2/6

J. & J. BEAULAH LTD.
BOSTON, LINCS.

HIGHER DISCOUNTS ON MIXED PARCELS

now accrue to the chemist as a result of the merging of three great pharmaceutical firms.

The merging of three great pharmaceutical concerns — Messrs. Benger's Ltd., Genatosan Ltd. and Whiffen & Son Ltd. — into a single organisation, British Chemicals & Biologicals Limited, is good news to the chemist.

It means that, by giving a joint order for a selection of the products of all three formerly separate concerns, the chemist can qualify, without excessive financial commitment on any one product, for the higher " mixed parcel " discounts on all these products combined.

These extra discounts are as follows:

Mixed parcel,	**value**	**£3 . . .**	**2½%**	**extra**	**discount,**	**carriage**	**paid**
,,	,,	,, **£5 . . .**	**5%**	,,	,,	,,	,,
,,	,,	,, **£10 . . .**	**7½%**	,,	,,	,,	,,
,,	,,	,, **£12 . . .**	**10%**	,,	,,	,,	,,

The range of products produced by the three members of the new organisation is so extensive that even a chemist in a modest way of business will have no difficulty in compiling a parcel of quick-selling stock which will qualify for the 10% discount.

Remember that, although certain bulk dispensing packs are net, they all count towards the total value of the parcel.

All orders and enquiries should be addressed to:

BRITISH CHEMICALS & BIOLOGICALS LIMITED
LOUGHBOROUGH, LEICESTERSHIRE

Tel: Loughborough 2292

It's FERBER'S for CAPSULES

Makers of

'CALCIVITA'
capsules for the treatment of colds, chilblains and circulatory deficiency.

'VITAMAXA'
capsules—a multi vitamin capsule correcting dietary deficiencies and enabling a properly balanced vitamin intake.

QUOTATION AND FULL DETAILS ON REQUEST

Apiol
Apiol & Ergotine
Blauds
Carbon Tetra-chloride
Cascara
Castor Oil
Cinnamon & Quinine
Cod Liver Oil
Copaiba
Creosote
Ergot
Eastons Syrup

Glandular Hormone
Guaiacol
Halibut Liver Oil
Haemoglobin
Hormone
Ichthyol
Malefern
Multi Vitamin
Olive Oil
Quinine
Santal Oil
Vitamins A. B_1 B_2 B_6 C. D. E. K.

In bulk or packed

ROBERT FERBER LTD. CARLTON WORKS · ASYLUM ROAD · S·E·15 Phone: NEW GROSS 0231/2

HAETAM LTD.

63
CORPORATION ST.
MANCHESTER, 4

the sign for quality products
MADE IN ENGLAND

The well-known firm of var. Chemists' Sundries announce the introduction of a

PURCHASE TAX CREDIT

(if any) after

BUDGET DAY, 1949

COPY OF THIS SCHEME
and New Price List on request

The Complete
WHOLESALE SERVICE

The Service Wholesaler has always been th bulwark of safety for the Retail Druggist. H creed is: Buy what you want; omit what yo cannot sell.

The Service Wholesaler is an economic forc pitted against waste and excess stocks. H volume must come through the service whic he alone can render.

No method offers a better opportunity t meet modern merchandising problems than tha of buying as needed through your Servic Wholesaler.

" Let us be your Warehouse "

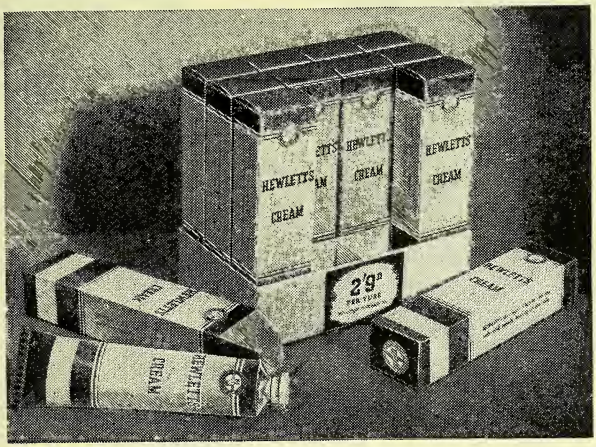
Ferryman
OF SOUTHAMPTON

Suppliers of Proprietaries, Drugs and Galenicals Sundries and Packed Pharmaceuticals.

HERBERT FERRYMAN, LTD.
Cobden Bridge, Southampton

Telegrams: Ferryman, Southampton.
Telephones: 75641 (5 lines)

HEWLETT'S ANTISEPTIC CREAM



COST
/- doz. + P. Tax

RETAIL
2/3 + P. Tax

PROFIT
9d.
ON EACH SALE

PPORTED BY SAMPLING AND ADVERTISING CAMPAIGNS THIS
TABLISHED COUNTER LINE WILL SHOW INCREASED DEMAND
NUS PARCEL • WINDOW DISPLAY TERMS • SHOWCARD
TAINABLE THROUGH YOUR USUAL WHOLESALER OR DIRECT FROM

C. J. HEWLETT & SON LTD

MANUFACTURING CHEMISTS

35-43 CHARLOTTE ROAD, LONDON, E.C.2
also at 48 Carstairs Street, GLASGOW, S.E.

First year's advertising resulted in

HIGHEST EVER SALES

Long famous for their high quality and reasonable price, HYGEX Rubber-cushioned Brushes were nationally advertised for the first time in 1948. The result was exceptional, sales were the highest ever. And the good work goes on in 1949, for the advertising, in even greater force, is being used to produce even greater sales records.

Hygex brushes are obtainable through wholesale Houses only.

Hygex

RUBBER-CUSHIONED BRUSHES

HENDERSON BROS. & CO. LTD.
Burwell Road, London, E.10.
Leytonstone 5202/3

M&W

TABLETS LOZENGES
CAPSULES & PILLS

SUPPOSITORIES
and Pessaries of the B.P., B.P.C., N(W)F., packed or in bulk, now available including Compound Bismuth Subgallate.
"Own formulæ" prices on request.

MATTHEWS & WILSON LTD
Established 1894
6-8, COLE ST. LONDON, S.E.1.
Proprietors of "SUDEX" Senna Pods
Telegrams: PILLEOLUM, SEDIST, LONDON. *Telephone:* HOP 2147-8

Net News!

Shaw's popular Surefit 99 Setting Net, w extra elastic, is now

available for the home mark

Packed 3 dozen on head showcard or each net in attractive, new envelope. Your Wholesaler has plentiful supplies.

Wholesale and Export:
ROBERT SHAW & CO. LTD., NOTTINGHA
London Office: Condor House, St. Paul's Churchyard, E.C.4.

We are a nation of animal-lovers. And animals have inspired the more-than-human characters which make Gillette's new advertising campaign outstanding. Its originality, its vitality and freshness will bring smiles, comments — and rising sales. This new campaign will do your Gillette turnover a world of good. Gillette advertising is nation-wide. Give Gillette pride of place on your counter and in your window.

Trade enquiries to your usual wholesaler or direct to Gillette Industries Ltd., Great West Road, Isleworth, Middx.

TAMPAX 40's

are back again!

*for both absorbency sizes **

***Plus*- this new, special feature . . .**

neat handbag container included in every Tampax 40

The re-introduction of popular Tampax 40's is good news—both for you and for your customers. To you, Tampax 40's mean an all-at-once sale equal to 4 single packets. To your customer they mean welcome economy and convenience. Stock them side by side with the usual packets-of-ten.

There's a wide range of Tampax display units for every purpose. Send details of your requirements.

* *Regular*
TAMPAX No. 1

Super Absorbent
TAMPAX No. 2

TAMPAX LTD.,
Sales Office, 110 Jermyn Street, London, S.W.1

LITESOME
ON TOP OF THE WORLD

OVER A MILLION MEN

now wear

LITESOME

Supporters

Can you meet the demand FROM STOCK?—WE CAN!

Check stocks and send your orders for LITESOME 'Standard' 'Mayfair' 'Len Hutton' (Cricket Model) and 'Royale' NOW, and have a record 'LITESOME' YEAR!

FRED HURTLEY LTD.
Keighley, Yorks.

ALWAYS IN DEMAND

Grip-tight

Soothers

Have you checke your stocks lately

Order now from the manufacturers:
LEWIS WOOLF LTD BIRMINGHAM 29 ENGLAN

Mandelle

MOULDED HOT WATER BOTTLES

FABRIC HAND-MADE WATER BOTTLES

HOSPITAL SHEETINGS

BATHING CAPS, ETC., ETC.

—— WHOLESALE ONLY ——

. MANDLEBERG & CO. Ltd. SEAFORD RD., SALFORD, 6 LANCS.

GNOME

The New

"DELTA"

9 x 12cm. and ¼-pl. Enlarger.

SPECIFICATION

Main components of aluminium casting, sheet steel lamp house, aluminium spinning lamphouse top and condenser seat with stiffening ribs. Bellows extension 9.n. Purchasers' own lens may be fitted. Suitable lenses are of 5in.-6in. focal length from such cameras as Thornton Pickard, Sanderson, etc. A plain lens panel is provided for this purpose. Fine focusing is by friction drive.

RETAIL PRICES

	Price	P. Tax	Total
'Delta" Model Enrger, diffused light ith lens panel - -	£12.10.0	£5.8.6	£17.18.6
ouble Optical Conensers, 6in. dia. -	£4.17.6	£2.2.3	£6.19.9
-3in. f/4.5 Dallmeyer ns - - - - - -	£7. 3.0	£3.2.0	£10. 5.0

Ask your dealer for illustrated catalogue or write direct to manufacturers as under :—

NOME PHOTOGRAPHIC PRODUCTS LTD.
54 CAERPHILLY ROAD · CARDIFF

heat massager

by **PIFCO**

Striking in its conception, beautiful in design and workmanship, delightfully packed and priced to sell on sight.

Order now from your usual Factor.

PIFCO, LTD.
PIFCO HOUSE · MANCHESTER

PRICE
15/-
RETAIL
plus
3/9 Tax

ISAAC WEBSTER & SONS, LTD.
ABBEY WORKS, KIRKSTALL, LEEDS, 5
Phone 51580 Leeds. Grams: Isaac Webster, Kirkstall

"SURCO"

RELIABLE

ELASTIC HOSIERY

SEAMED AND SEAMLESS

For special garments to measure we give the best possible service

SURGICAL BELTS
TRUSSES AND SUNDRIES

50 years' service of everything Surgical

SURGICAL HOSIERY CO. LTD.

Russell Street - NOTTINGHAM
Telephone No. 75903 Telegrams: Surgical Nottm

MANUFACTURERS

DO YOU WANT BIGGER SALES AND BETTER DISTRIBUTION?

ARE YOUR SELLING COSTS TOO HIGH?

Old established private company manufacturing two well-known pharmaceutical and one leading cosmetic line with first class selling organisation and merchandising experience over many years, would undertake selling and distribution of one or two only non-competitive lines of merit. Principals apply in first instance to General Manager.

Box No. 5/669 "Chemist & Druggist," 28 Essex St., Strand, London, W.C.2.

THE POPULAR COUGH SYRUP

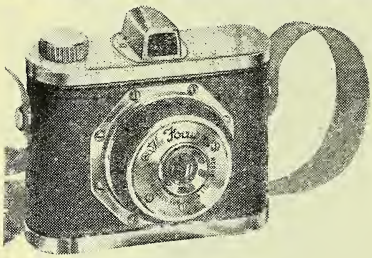
Good for the young and good for the old

Supplies may be obtained from C.F Wholesale Houses

ZEMS LTD

718/724 Seven Sisters Road, London, N.15

Telephone: STAMFORD HILL 6658-9



The **"FOCUS No. 1"** *Camera*

This handsome camera in chrome, aluminium and black crackle is what every casual and amateur photographer will want this year.

SPECIFICATION

F11 lens, 1/25 and Brief. Either 120 size or 620 size films fit this Camera. Takes 9 photos 2¼" x 2¼" on FOCUS films or 12 on 8 exposure film. A direct vision view finder and strong carrying strap complete a fine camera.

Retails at

55/3

Trade Price **£1 . 5 . 6**
Plus Purchase Tax **17/-** = **£2 . 2 . 6**

FOCUS PANCHROMATIC FILM

FULLY GUARANTEED AND ATTRACTIVELY PACKED

PRICES:

"20" Sizes **£17 . 10 . 0** per gross (Incl. Purchase Tax)
"27" Size **£14 . 10 . 0** per gross (Incl. Purchase Tax)

TERMS — Pro forma invoice or cash with order.

FOCUS LTD. 40 Sackville Street, Piccadilly London, W.1. Tel: MAYfair 2287

STOP AND **THINK!!**

HOW MANY PROPRIETARY LINES CARRY 33⅓% PROFIT PLUS AN EXTRA 10%?

NOT MANY!

DiDiT INSECTICIDES

ARE ON THIS SHORT LIST

QUALITY AND PROFITS MUST BE CONSIDERED

SEND FOR PRICE LIST TO MANUFACTURERS:

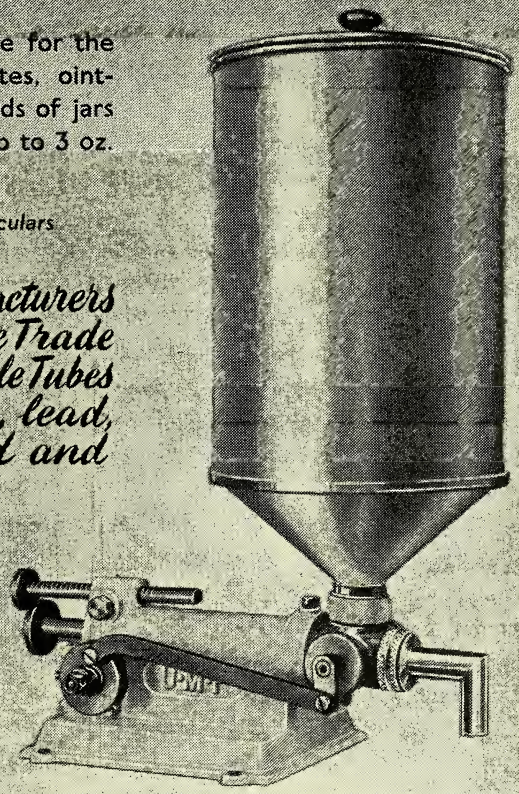
RODMILL CHEMICAL CO. LTD · LIVERPOOL, 3

Use the new U·M·P
FOOT·OPERATED
JAR·FILLING UNIT

This machine is suitable for the filling of creams, pastes, ointments, etc., into all kinds of jars and squat containers up to 3 oz. capacity.

Please write for particulars

We are also manufacturers of Plastics to the Trade and of Collapsible Tubes made from tin, lead, tincoated lead and aluminium.



U·M·P

THE SIGN OF SERVICE AND CO·OPERATION

Also adaptable for filling of Collapsible Tubes

UNIVERSAL METAL PRODUCTS LTD.
SALFORD 6 LANCS. *Telephone:* PENDLETON 1631-2-3
LONDON OFFICE: ARGYLE HOUSE, 29/31. EUSTON ROAD. N.W.1.

Press Advertising Campaign to create demand—Show Material for Windows and Counters are just two of the many services we give to help your sales.

SCRUBB'S

HOUSEHOLD PRODUCTS

CREATE & INCREASE SALES

By Appointment as suppliers of Scrubb's Ammonia

SCRUBB & CO. LTD., Wimbledon Factory Estate, S.W.19

DIRTY WORK TO BE DONE!

THE BEST BARRIER PREPARATION

ROZALEX

IT STOPS DIRT FROM GETTING INTO YOUR SKIN

ALSO ROZALEX OINTMENT

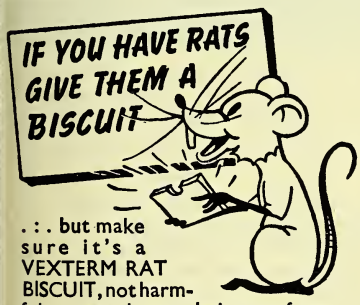
Rozalex Ltd., 10 Norfolk Street, Manchester 2

HERLEY'S always make *Regular Customers!*

be sure of a fair share of the big, ular demand for the Sherley's parations please order well ahead— empty shelves can only mean disap- ntment. There is no treasure like a ular customer. He is the mainstay of fitable trading; a source of valuable d will. Adequate stocks of Sherley's g and Cat Medicines will keep the gulars" happy and turn many a sual" into a good friend.

HERLEY'S DOG MEDICINES

SHERLEY & CO. LTD., 16/18 MARSHALSEA ROAD, LONDON, S.E.1



. : . but make sure it's a VEXTERM RAT BISCUIT, not harmful to pets, human beings or farmyard stock, but death to rats and mice. Clean, safe and easy to handle. From Chemists, Ironmongers and Stores everywhere. Price 1/6 & 5/9

VEXTERM
READY-BAITED
RAT BISCUITS

Agriculture and Fisheries Licence No. 10184

Manufactured by

TISH RODENT EXTERMINATOR CO. LTD.
TTS BOTTOM · FARNBOROUGH · KENT
Phone: FARNBOROUGH 849

Here is the new Quart-Size Can

Our trade terms remain as generous as ever — these new quart cans cost you only 34/6d per dozen and retail at 3/10d each, with 5% cash discount — 14 days. Carriage is paid on one dozen packed in non-returnable containers. Please write for further details from

ROBERTS WINDSOR WEED KILLER

MANUFACTURED BY THE ROBERTS WINDSOR SOAP CO LTD

WINDSOR ENGLAND

By Appointment Toilet Soap Manufacturers to H.M. King George VI

FOLIC ACID

for the control of

MACROCYTIC *and* HYPOCHROMIC ANÆMIAS

Indicated for Macrocytic Anæmias, Pernicious Anæmia, Sprue, Macrocytic Anæmia of Pregnancy, etc. Tubes of 25, bottles of 100 and 1,000 x 5 mgm. tablets. Boxes of 12 and 100 x 1 cc. ampoules 15 mgm/cc. and 10 cc. vials. Also as an elixir containing 5 mgm. per teaspoonful.

" Folvite " registered trade mark.

Indicated for both Macrocytic and Hypochromic Anæmias, particularly those that are iron-deficient. Bottles of 30, 100 and 1,000 x 5 mgm. tablets or capsules each containing " Folvite " folic acid 1.7 mgm. and ferrous sulphate exsiccated, 3 grains.

" Folvron ' registered trade mark.

Following the brilliant research which preceded the isolation and synthesis of folic acid by the Lederle-Cyanamid Group in America, doctors are prescribing folic acid in the form of ' Folvite ' and ' Folvron' and pharmacists are invited to order supplies for stock.

Supplied through your Wholesaler.

Literature for doctors and pharmacists on request.

Lederle Laboratories
DIVISION
CYANAMID PRODUCTS LTD
BRETTENHAM HOUSE, LANCASTER PLACE, LONDON, W C 2.

FREE

an offer to every chemist

In return for one month's display, this attractive carton (RETAIL VALUE 18/3) will be supplied for a limited period FREE OF CHARGE with every trial order for one dozen bottles of

BOON SKIN EMULSION

The new antiseptic for constant skin protection

EXCEPTIONALLY EFFECTIVE AGAINST EVERY TYPE OF SKIN-BORNE BACTERIAL INFECTION (INCLUDING TREATMENT OF CUTS, ABRASIONS, BURNS, INSECT BITES, ETC.) YET ODOURLESS AND PREPARED IN A "VANISHING" BASE.

Manufactured by Boon Doral Ltd., Manchester 2

To: A. M. ASHFORD, LTD. DISTRIBUTORS
3 HUNTER ROAD, SHEFFIELD 6

Please send me one dozen BOON SKIN EMULSION at a standard trade price of 20/- per dozen plus 6/6d. Purchase Tax together with one FREE Display Carton of 6 bottles.

NAME.....

ADDRESS.....

.....

NOW!...

Silvikrin Lotion

with OIL!

A NEW LINE for a vast NEW MARKET

Here's a line millions have been looking for ... millions of men and women who have despaired of finding an effective tonic and dressing for dry, brittle hair and scurfy scalp. NOW Silvikrin Hair Tonic Lotion WITH OIL supplies their need—and your opportunity! This addition to the famous Silvikrin products combines three selling points. It is a health-giving daily lotion; it contains special oils to correct dry scalp and hair; it contains Pure Silvikrin, the hair's natural food. National Advertising is spreading the glad news of Silvikrin's Lotion with oil to 'dry-heads' everywhere ... act NOW to cash in on the big demand for this regular seller.

Silvikrin

LOTION with OIL

Order from your usual wholesaler or for best terms on larger quantities from

SCOTT & BOWNE LTD · Distributors of Silvikrin products, Winchester House, Old Broad St., London, E.C.2

eet the Demand for the

NEW SMALLER SIZE

Alasil Tablet

ALSO THE NEW SMALL CARTON PACK FOR HANDBAG OR POCKET

Now you can supply small or large Alasil Tablets to meet all preferences.

NEW PACK
andy pocket-size artons containing 6 small size Alasil Tablets hygienically sealed in transparent cellulose

IN response to many requests from those who prefer a small tablet, we have now introduced a smaller-size 'Alasil' Tablet, whilst retaining the large-size Tablet which has proved such a widespread success for its quick and effective relief of pain.

The provision of 'Alasil' Tablets in two sizes now enables the pharmacist to meet all preferences, and gives him still wider scope for 'Alasil' sales.

In 'Alasil' the combination of acetylsalicylic acid with 'Alocol' (Colloidal Aluminium Hydroxide), an effective gastric sedative and antacid, helps to obviate any tendency to gastric irritation. The advantages of 'Alasil' are therefore obvious.

For these reasons the pharmacist has the satisfaction of knowing that in recommending and selling 'Alasil' he is conveying distinct benefits to his customers.

ON THE PATA

RETAIL PRICES: *(Including Purchase Tax)*
Small size tablets: Glass Tubes 1/7 *New pocket-size carton* 4d.
Large size tablets: Bottles 3/1½ *Glass Tubes* 1/7

TRADE PRICES: *(Plus Purchase Tax)*
Small size tablets: Glass Tubes 11/3 *New pocket-size carton* 2/3
Large size tablets: Bottles 22/6 *Glass Tubes* 11/3

A. WANDER LTD.,
Upper Grosvenor St.,
Grosvenor Square,
LONDON, W.1

It's a real winner!

This display will bring customers into your shop. That means increased business and more profit!

You can make an arresting show even on a 1½ foot high shelf. Look at the smaller photograph.

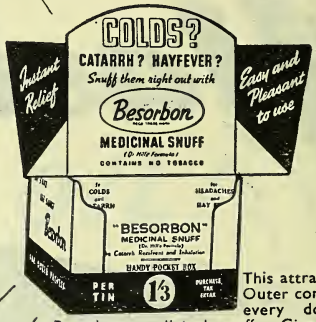
Don't delay. Write to-day for your showcard —for Display material, too (*stating width and height of display space*). Advertising for SevenSeaS this season will be stronger than ever.

MAKE THAT ADVERTISING WORK FOR YOU

SEVENSEAS PURE COD LIVER OIL

British Cod Liver Oils (Hull & Grimsby) Ltd.,
St. Andrew's Dock, Hull

A GRAND COUNTER ATTRACTION -and FREE!



This attractive Disp Outer comes free w every dozen lot Besorbon medicinal snuff. Give your us wholesaler a trial order for this all-year-rou preventive remedy for Hay Fever, Colds a Catarrh—backed by national advertising, B orbon sells on sight! Put it on your count

BESORBON

Kemsales Ltd., 20 Eastcheap, London, E.

Will chemists please note

Mejenel

The ready spread Kaolin Poultice is now distributed by the Manufacturers or your Wholesaler.

Your requirements will receive prompt attention.

WESCO HOUSE LTD
MANUFACTURING CHEMISTS
BRISTOL, 4

ZUBES COUGH MIXTURE

Follow this tried and tested 'formula' for quick profits

A Household Name — a quick, pleasant, effective throat and chest easer — at a price within everybody's reach — sales supported by powerful advertising throughout the autumn and winter; that's the "formula" that makes Zubes Cough Mixture such a big profit-winner for the chemist, especially in the winter months. Why not make sure that your stocks of Zubes Cough Mixture will meet the increased winter demand?

ZUBES
COUGH MIXTURE

Retailing at 1/6 and 2/9½

MADE BY F. W. HAMPSHIRE & CO. LTD., MANUFACTURING CHEMISTS, SUNNYDALE, DERBY.

As an Antacid
or in febrile conditions
Invalid
Lembar
justifies the doctor's highest recommendation
Available in limited quantities

Soluble extract of
Barley ... 7.4%
Sugar ... 23.7%
Glucose ... 10.4%
Lemon Juice 37.0%

Plus Flavouring and permitted preservative

The above percentages are expressed in weight per given volume

MADE BY RAYNER AND COMPANY LIMITED, LONDON, N.1

DISPRIN

Soluble, neutral and palatable aspirin tablets in stable form

DISPRIN has all the valuable qualities of calcium aspirin—analgesic, antipyretic and anti-rheumatic. Since it is soluble, it is more rapidly absorbed and consequently more speedy in its clinical effect. Since it presents aspirin in the form of its calcium salt, it is more sedative. Moreover, it does not act as an irritant to the gastric mucosa, because, unlike ordinary aspirin, it is soluble.

DISPRIN: STABLE, PALATABLE, NEUTRAL SOLUBLE CALCIUM ASPIRIN

Made by the manufacturers of 'Dettol'

RECKITT & COLMAN LTD., HULL AND LONDON (PHARMACEUTICAL DEPT., HULL)

ISCRET DEODORANT CREAM

NOW

in popular economy size

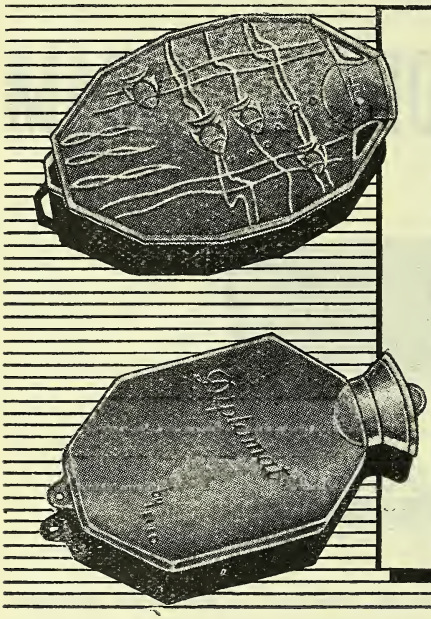
Retail Price 1/6
including Purchase Tax

This dainty new economy size is just what the thousands of regular Discret users are waiting for. You know how quickly Discret—the safe, cream deodorant—has built up goodwill for itself—and you. This new size will increase both sales and good will faster than ever. For once a woman discovers Discret, she knows she has at last found the deodorant that keeps her "nice to be near"—always: the deodorant she can trust not to stain or damage the most delicate fabric or harm the most sensitive skin.

RADE TERMS

9/7 per dozen for orders of 3 dozen and over.
10/9 „ „ „ „ under 3 dozen.
Plus 3/7 per dozen purchase tax.

E HEALTH LABORATORIES · 17 BERNERS STREET · LONDON W.1



LI-LO Regd. Trade Mark

HOT WATER BOTTLES

All "Li-Lo" Hot Water Bottles are fitted with the new vulcanised closure sealed into the neck of the bottle, obviating the older method of using wire or tape sealing. Completely overcomes the problem of leaky necks which were the cause of 90% of hot water bottle failures.

"FISH" MOULDED HOT WATER BOTTLE
(A new design). Two handled bottle. Fish design. Colour: Red. Size: Approx. 13½" x 8¾".

HAND-MADE HOT WATER BOTTLE
Hand-made bottle capable of giving long, trouble-free life. Size: 12" x 8".

"VACCA" DE LUXE MOULDED HOT WATER BOTTLE
Ideally suited for institutions. Heavy weight—extra large. Colour: Surgical Red. Size: Approx. 14"x8".

"DIPLOMAT" MOULDED HOT WATER BOTTLE
Ultra modern design. High gloss surface. Size: Approx. 13" x 8".

For Trade Terms apply to your usual Wholesaler or direct to:
P. B. COW & CO. LTD. 12 Hay Hill, Berkeley Square, London W1. Telephone: REGent 7401

Now available

NEW, IMPROVED ARRID

—the only cream deodorant which also stops perspiration

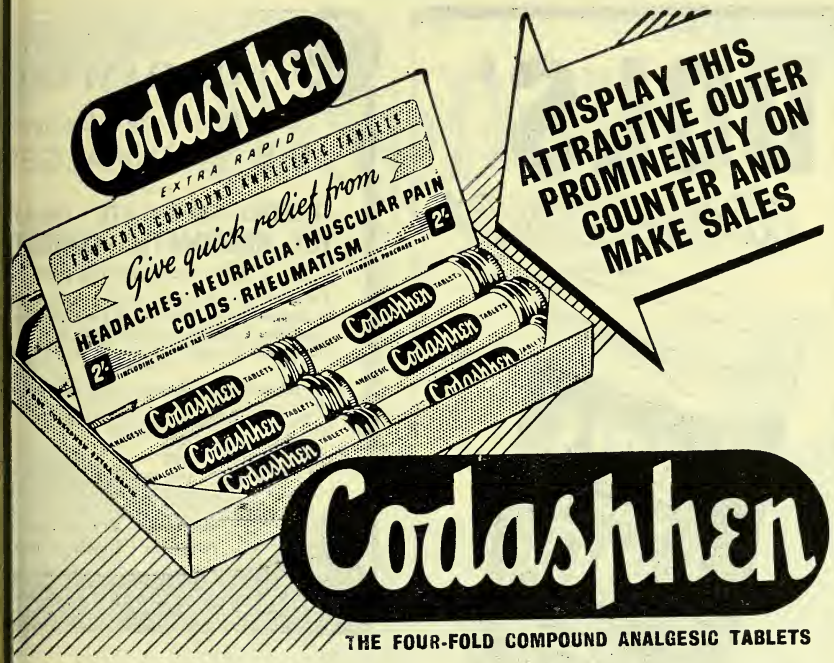
over 8d. profit for you on every jar you sell! Retail price 2/5 including purchase tax

WOMEN are clamouring in the shops f Arrid—the world's biggest-selling crea deodorant which also stops perspiration. Adve tising is being increased, and with a stron national campaign running, the demand will b something terrific!

Arrid sells on sight, and you make over 8 on every jar. Easy, quick profits, and satisfie customers who'll come in for other goods! You' be well advised to stock up without delay.

ORDER ARRID NOW!

Details of special terms for ARRID, Carter's Little Liver Pills, and other products from **THOMAS MARNS LTD., 2 CAXTON STREET, LONDON, S.W.1**



REPEAT SALES FOLLOW INTRODUCTION

/e are advertising Codasphen to ell the public that here, in simple ablet form — in handy, dainty luminium tubes suitable for ocket or handbag — is the pain eliever they have been looking for.

ales of Codasphen are growing teadily everywhere—new custom-rs—repeat orders—recommenda-ons. For you these mean in-reased turnover and added profits.

Display the attractive Codasphen outer prominently, together with our showcard, and help to make OUR advertising YOUR advertising.

Include Codasphen when making up your bonus order. Full particulars on application.

MOORE MEDICINAL PRODUCTS LTD

ABERDEEN LONDON OFFICE: 64 GLOUCESTER PLACE, W.1. LONDON
WELBECK 5718/9

DOLS' *announce*

DOLS' RUB

A NEW DEPARTURE

embodying in fluid form the Analgesic properties for which DOLS' FLANNEL has been famous for 35 years.

DOLS' RUB will bring speedy relief in cases of Rheumatism, Lumbago, Fibrositis and kindred ailments.

EASY TO USE AND SAFE TO RECOMMEND
ATTRACTIVELY PRESENTED

RETAILS AT 2/6 Including Purchase Tax
Obtainable through usual Wholesalers

DOLS' Volatalise Flannel, Ltd.
HUDDERSFIELD

Doctors are Prescribi

"D.5 DAMANC"

They are Dellipsoi

D.5 RHEUMALGESI

the new

SUCCINO - SALICYLATE TREATM
***for* RHEUMATIC CONDITI**

and accompanying pain

These are the actual products used in this Co in clinical trials: they have been designed a definite treatment based upon the resul experience gained in these trials by respo clinicians.

Descriptive literature sent on request

D.5 Rheumalgesia are supplied in:
Bottles of 1,000
" " 500
Packs of 100 retail 7/-. Incl. P. Ta

Telephone: BYRon 1440/18
Telegrams: Damancy Harro

DAMANCY & CO·LTD HAR MI
ESTABLISHED 1890

Always supply

MENEX

FOR WOMEN WHO PREFE

Soluble

TOWELS

Pre-stretched, detachable loops
waterproof backs

ROBINSON & SONS LTD. CHESTERFIELD & LO

also makers of the famous

MENE

— popular for over 50 years

BiSoDoL

TRADE MARK

ANTACID DIGESTANT

REVISED PACKS

The pack designs for this fine, professionally detailed, antacid have now been revised. Labels, tins and cartons, both for Powder and Tablets, have been standardised.

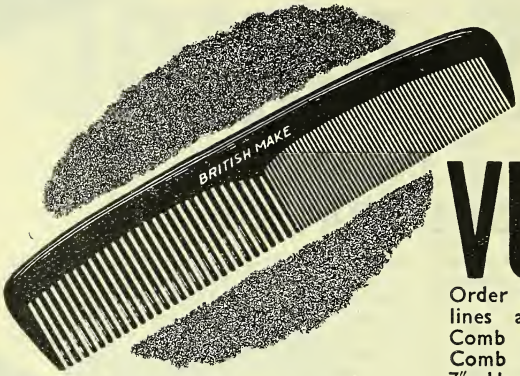
The recognition value by the Public is improved; the well-known yellow and blue, although strengthened, are still the basis of the design and the increased display value will be a helpful point of sale incentive to the Public.

The formula of 'BiSoDoL' is one which every Pharmacist can approve; it is being continuously brought to the notice of Doctors, Dentists, Nurses and Welfare Departments by finely produced mailing pieces and samples. The widespread recommendation of 'BiSoDoL' is shown by an increasing and developing public demand.

INTERNATIONAL CHEMICAL COMPANY LIMITED

CHENIES STREET, LONDON, W.C.1

Tell your customers . .



the best comb is

VULCANITE

Order through your wholesaler. Popular lines available today include Dressing Comb 1553 7½" (illustrated), Dressing Comb 1515 7½", Gentlemen's Comb 1131 7", Handled Comb 290 7" and 3" Tooth Comb 611.

NORTH BRITISH

VULCANITE COMBS — *BETTER FOR THE HAIR*

THE NORTH BRITISH RUBBER COMPANY LTD. · EDINBURGH · LONDON & BRANCHES

Dr. J. Collis Browne's Chlorodyne
and
The Pharmacy and Poisons Act, 1933

Dr. J. Collis Browne's CHLORODYNE

SALE RESTRICTED TO REGISTERED CHEMISTS

PURCHASER'S SIGNATURE NOT REQUIRED

Sole Proprietors:
J. T. DAVENPORT LTD.
UNION ST., LONDON, S.E.1

P.A.T.A.

Fine CHEMICALS

urroughs Wellcome & Co. offer a selected range of fine chemicals on articularly advantageous terms to bulk purchasers.

ch is the product of long manufacturing experience and strict analytical ntrol, and represents the highest attainable standards of quality and purity.

urther details and quotations will be supplied on application to Bulk hemicals Section, 183-193, Euston Road, N.W.1.

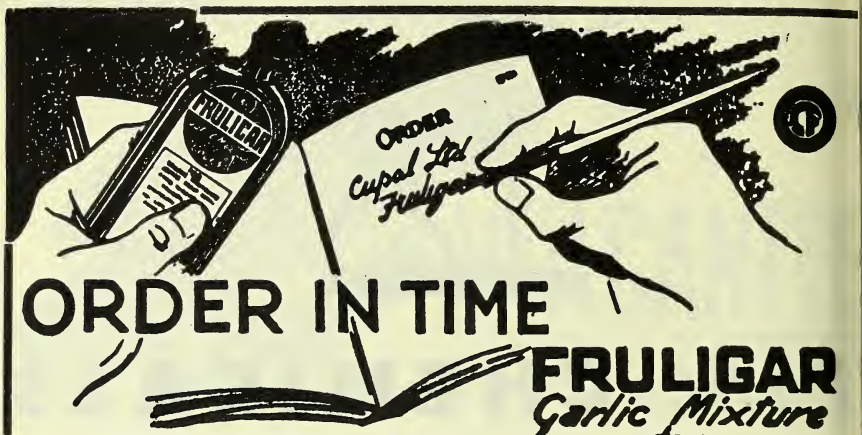
DRENALINE
DRENALINE BITARTRATE
ENZAMINE HYDROCHLORIDE
ARBACHOL
NCHOPHEN
METINE HYDROCHLORIDE
RGOMETRINE
RGOMETRINE MALEATE
RGOTOXINE ETHANESULPHONATE
ISTIDINE MONOHYDROCHLORIDE
HOMATROPINE HYDROBROMIDE
HYOSCINE HYDROBROMIDE
PETHIDINE HYDROCHLORIDE
STILBŒSTROL
STILBŒSTROL DIPROPIONATE
OUABAIN
K-STROPHANTHIN
SULPHAGUANIDINE
THYROXINE-SODIUM
d-TUBOCURARINE CHLORIDE

BURROUGHS WELLCOME & CO.

THE WELLCOME FOUNDATION LTD.) LONDON

ociated Houses :

EW YORK MONTREAL SYDNEY CAPE TOWN BOMBAY SHANGHAI BUENOS AIRES CAIRO



ORDER IN TIME

FRULIGAR
Garlic Mixture
for
COUGHS

RETAIL PRICES 1/6 & 2/9
including Purchase Tax

CUPAL MARGINS AND DISCOUNTS

CUPAL LTD., *Manufacturing Chemists*, BLACKBURN

Esbron
LUNG TONIC & TROCHES

For Coughs, Colds, Chest and Throat Ailments and also for Asthma and Bronchitis.

It is advisable to get stocks in now—be prepared for the demand following advertisements in the daily papers.

9/- per doz. Retail 1/4½ each.
3 doz. lots 8/9 per doz.

BROOK, PARKER & Co., Ltd.
ASHFIELD, BRADFORD

ESTABLISHED 1793

ATKINSON & BARKER'S INFANTS' PRESERVATIVE

The Best and Safest Infants' Medicine of 150 years' standing

Does not contain any Scheduled Poison

ROBERT BARKER & SON, LTD.
13 WESLEY ST., C. on M., MANCHESTER

DYANESE
FADELESS DYES

2½d. STOCKING (except Black) 20/- gross
4d. CURTAIN & COLD WATER 32/- gross
(including Black Stocking) Order Dyes and Shade Cards from our Agents
Gt. Britain: W. B. Cartwright Ltd., Rawdon, Leeds
N. Ireland: T. McMullan & Co., Ltd., 42 Victoria St., Belfast. *Eire:* May Roberts (Ireland) Ltd., Grand Canal Quay, Dublin, C.6.

OLOGICAL MBL PREPARATIONS

E QUALITY OF ALL MBL PRODUCTS IS ABSOLUTELY ENTICAL WITH THAT OF PRE-WAR PREPARATION

ause of our heavy purchases immediately before war broke out. Our stocks still considerable and the high MBL standard will be fully maintained.

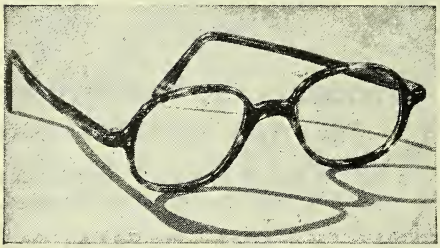
ERE IS NO SHORTAGE OF ANY OF OUR PREPARATIONS

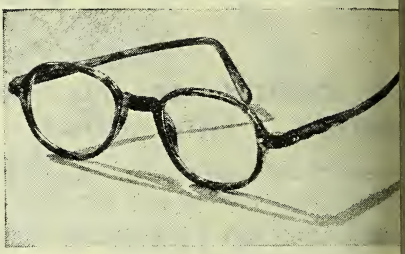
		Retail Prices (inclusive of Tax)	CHEMISTS' PRICE Per unit Net	+	Purchase Tax	CHEMISTS' PRICE Per dozen Net	+	Purchase Tax
TIPEOL								
NTMENT	4 oz. tube	7/5	4/2½	+	1/5	50/5	+	16/10
	40 gr. „	3/8½	2/1½	+	8½	25/3	+	8/5
	20 gr. „	2/1	1/2	+	5	14/-	+	4/8
UID	40 c.c. bottle	3/8½	2/1½	+	8½	25/3	+	8/5
HTHALMO-ANTIPEOL								
gr. Nozzled Tube		3/8½	2/1½	+	8½	25/3	+	8/5
gr. „ „		1/9	1/-	+	4	11/11	+	4/-
INO-ANTIPEOL								
gr. Nozzled Tube		3/1	1/9	+	7	21/-	+	7/-
gr. „ „		1/9	1/-	+	4	11/11	+	4/-
TEROFAGOS								
of 50 ampoules		19/-	13/3½		None	159/7		None
„ 10 „		4/3	3/-		None	35/8		None
„ 5 „		2/6	1/9		None	21/-		None
TENSYL								
of 500 tablets...		43/-	24/-	+	8/-	288/-	+	96/-
be of 50 „		4/11	2/8½	+	11	32/4	+	10/10
. JAMES' BALM								
of approx. 2½ oz.		3/1½	1/11	+	7½	22/6	+	7/6
„ 1 oz.		1/7	11	+	4	11/3	+	3/9

Carriage paid on all orders of 1 dozen or £1 and over.
Terms: NETT, Monthly Account.

EDICO-BIOLOGICAL LABORATORIES LTD., LONDON, S.E.25

NATIONAL HEALTH SERVICE FRAMES



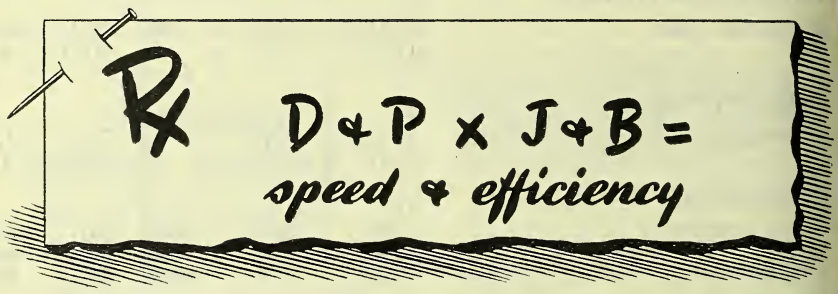


No. 45.	Regular Bridge, Reinforced Hockey End Sides, Quadra eye.	N.H.S. No. 514
No. 46.	Pad Bridge, Reinforced Hockey End Sides, Panto eye.	N.H.S. No. 524
No. 47.	Pad Bridge, Reinforced Hockey End Sides, Quadra eye.	N.H.S. No. 524

We can also supply semi-Library and full Library Frames and spare parts such as Sides, Pins, Screws, Joints, etc., and various types of Spectacle Cases.

LUMINOS LTD., 45 BELSIZE LANE, HAMPSTEAD, LONDON, N.W

Telephone: PRImrose 1652



A new prescription which, translated, means that Developing and Printing by Jones & Bailey with their "up-to-the-minute" equipment and fully experienced staff is assured of top-speed, efficiency, quality and punctuality.

GRAFTON FILMS

In the event of short supplies we can assist customers with limited quantities of these rolled films in '20' and '127' sizes. An entirely new product with a new emulsion, a new base and a new high standard of quality Panchromatic 28°.

Enquiries to:

JONES & BAILEY LTD.

66/72, BREWERY ROAD · LONDON, N.7

Gum Tragacanth

N. S. DANGOOR LTD.
Suppliers to the Industry
PROVINCIAL HOUSE, 98-106 CANNON STREET, LONDON, E.C.4

MISCELLANEOUS OPPORTUNITIES

CELLOPHANE DRINKING TUBES
(1000 Per Box)
@ 6/- Box

WOODEN ICE CREAM SPOONS
(Cellophane Bags)
@ 4/- Doz. Bags

CHERRY PICKS
@ 20/- Thousand

Wholesale Enquiries Invited

A. E. JAY LTD
68 STOKE NEWINGTON HIGH ST., LONDON, N.16
Phone: CANONBURY 3067-68-69

Aspirin Tablets 5 grain and 0.5 gramme. Bulk or Packed.
T. H. Walton & Co., Ltd. Batley

SURPLUS
NAIL VARNISH BOTTLES 4 dr. cutex type-french make with or without caps and brushes sample sent on request, state quantity required. Also two ALBRO filling machines.
Vanity, Ltd., 45 Walm Lane, London, N.W.2

SPECIAL OPPORTUNITY
Clearance below cost of
PHARMACEUTICAL AND TOILET PREPARATIONS
TEATS, TOOTH BRUSHES, ETC.
LONDON & NORTHERN TRADING COMPANY LIMITED
13-14 UNION CT., OLD BROAD ST., E.C.2

Standard Saccharin Tablets
each containing 0.2 grains of .550 saccharin, packed in 100's

5 gross	at	72/-	per gross.
10 gross	at	71/-	per gross.
25 gross	at	70/-	per gross.
50 gross	at	69/-	per gross.
100 gross	at	68/-	per gross.

Post free, cash with order.
T. H. Walton & Co., Ltd., Batley.

OPTICAL TUITION
For the S.M.C., B.O.A., I.C.O., and N.A.O. DIPLOMA Examinations
Particulars:—
C. A. SCURR, F.S.M.C., F.B.O.A., F.N.A.O., D. Opt. F.C.O., M.P.S.
50 HIGH STREET, BARNET, LONDON, N.

SACCHARIN TABLETS. Full strength. In Packets of 10 Tablets. In 3 doz., 6 doz., or 1 Gross Boxes as required 6/3 per doz. for small quantities. 6/- per doz. for 1 Gross lots. 5/10 per doz. for 5 Gross lots. Special quotations for large quantities. Delivery immediate. Carriage Paid. Terms: Cash with order or in 7 days for approved a/c.
THE WALLIS LABORATORY, LTD.
58 King George's Avenue, Watford, Herts.

EDWARDS SURGICAL SUPPLIES LTD
We have large stocks of . . .
Surgical Instruments · Sundries
Record Syringes · Hypodermic Needles
etc.
Your enquiries are invited
83 MORTIMER STREET · LONDON · W.1

ITALIAN LIQUORICE JUICE STICKS
of 25 grams. EIGA Brand.
Each stick Celophan wrapped.
Original cases 50 x 1 Kilos gross cartons at 2/9 lb. ex Wharf London duty paid.
Cash against Delivery Order. Box 5/713

PRACTICAL METHODS OF URINE ANALYSIS
1944 Edition now available. Rewritten, thoroughly Revised and Up to date. 8/3 Post Free.
THE CHEMIST & DRUGGIST,
28 Essex Street London, W.C.2

Printed by The Haycock Press, Ltd., 106-140 Neate Street, Camberwell, S.E.5, and Published by the Proprietors Morgan Brothers (Publishers), Limited, at 28 Essex Street, Strand, London, W.C.2. 81/31

URALYSOL

New Large Size Dispensing Pack

To meet the demand for Uralysol dispensed on N.H.S. scripts we have now introduced a 1 lb. Dispensing Pack, supplies of which may be obtained through your usual wholesaler or direct from us.

TRADE PRICE - - - 12/6 + 4/1 P.T. each
(less usual cash discount)

P.A.T.A.

CONTINENTAL LABORATORIES LTD

101 Great Russell Street, London, W.C.1

NORVEX" SANITARY TOWELS

(REGD.)

ALL WOOL, WITH LOOPS—SIZES 0 to 4

A SUPER TOWEL

SOLD BY CHEMISTS ONLY.

Phone: 20954

CROSSKILLS OF NORWICH

Two Useful Products

ONALIX TONIC RESTORATIVE

Specially formulated to assist body tone generally.

EEDOSOL NON-TOXIC GERMICIDE

A general antiseptic of high bactericidal activity.

Prepared in the laboratories of

ERRIS & CO. LTD., BRISTOL

STANDARD SACCHARIN TABLETS

. . . a limited quantity available in regular amounts

THE DALES ASPIRIN & TABLETING CO.

STEETON, Near Keighley, Yorks.

THERAPEUTIC PRODUCTS

Why Dentists Use Vince

VINCE powder is a palatable, oxygen-liberating antiseptic containing sodium perborate. A teaspoonful of VINCE in half a glass of warm water provides a 2 per cent. alkaline solution suitable for dental, oral or nasal hygiene. VINCE is used and recommended by both dentist and doctor alike because:–

1. It is efficacious in the oxygen treatment of Vinc anaerobic gingivitis ("trench mouth"), Vinc angina (acute necrotic stomatitis), pyorrhœa alveol halitosis, and is an efficient post-operative antis and bactericide. Most oral pathogens are Vi sensitive;
2. It is alkaline in reaction and non-irritating to tissues;
3. It cleans and deodorises infected cavities; it is liably recommended for daily oral hygiene and fo healing influence on damaged tissues.

VINCE is now in unrestricted supply.

Literature and samples supplied on request.

AGAROL—ALKA-ZANE—ANUSOL—GELUSIL—VEGANIN—VERACOLATE—VIN

Sole Distributors for Vince Laboratories, Ltd.

William R. **WARNER** *and Co. Ltd.* OMNIS ORBIS WARNER POWER ROAD, LONDON, W.

Heading for Speedier Sales!

News! Increased advertising is spreading the story of BIOCRIN—the proved Shampoo-Reconditioner. Through more magazines more women are learning about this health-and-beauty treatment.

A Large Profit Margin and Regular Clientele For You!

Retail Sizes 18/6 and 30/- per dozen (plus 33⅓% tax) retailing at 3/- and 5/- each

Biocrin pomade shampoo

A product of Vine's Biocrin Ltd., London, W.2

IMPORTANT ANNOUNCEMENT!

DUE TO IMPROVED PURCHASING CONDITIONS THE FOLLOWING REVISED PRICES ARE NOW IN OPERATION FOR

Saville

CLASSIC

EAU DE COLOGNE

LIST No.	DOZEN RATE	TAX INCLUSIVE RETAIL PRICE
300	20/-	4/2 each
301	36/-	7/6 ,,
302	60/-	12/6 ,,
303	96/-	20/- ,,

A NOW WELL-ESTABLISHED PRODUCT WHICH YOU CAN CONFIDENTLY RECOMMEND AS AN AUTHENTIC COLOGNE OF THE FINEST QUALITY

FOR AN ATTRACTIVE SHOWCARD TO LINK UP WITH THE PRESS ADVERTISING SHORTLY TO BE RESUMED *KINDLY WRITE OR 'PHONE*

SAVILLE PERFUMERY LTD., WATFORD, HERTS

PHONE: WATFORD 5227/8 TELEGRAMS: PERFUMERY WATFORD

BE READY

FOR THIS SEASON'S INCREASED EGG PRODUCTIO

With extra poultry foods available, more your customers will be preserving eggs t season. This means more requests Goodall's Waterglass. Be sure your sto are sufficient to meet the increased dema Goodall's Waterglass gives a clear, clean flu Packed in attractive all-metal leakproof ti

No. 1 size in 4 & 6 doz. cases; No. 2 size in 2 doz. ca

*Cases are **free** and non-returnable.*

Goodall's

WATERGLASS

EGG PRESERVATIVE

GOODALL, BACKHOUSE & CO., LTD.
SOVEREIGN STREET, LEEDS

(29T

NOW

IS THE TIME TO ORDER

MOTHAKS

MOTHAK SALES ARE PROFITABLE SALES

Spring Cleaning time is here. Order MOTHAKS now and display them prominently. The biggest advertising campaign has commenced in newspapers and leading women's magazines.

NO PURCHASE TAX

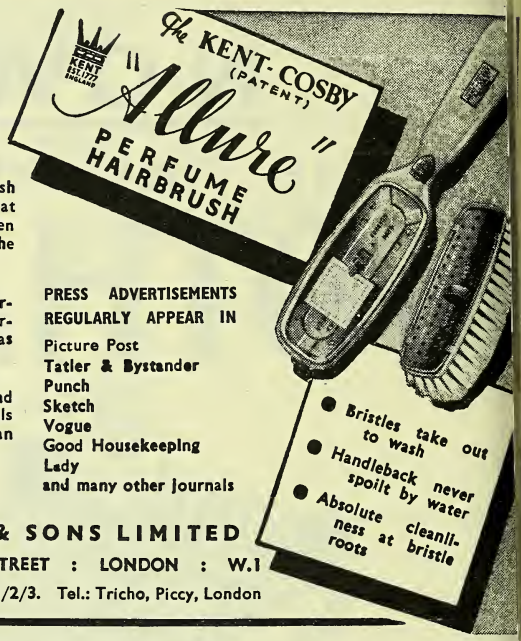
ON MOTHAKS

Sole Makers:

THOMPSON & CAPPER WHOLESALE LTD.

Speke Hall Road, LIVERPOOL, 19.

An Ideal GIFT LINE!



Behind the "Allure" Perfume Hairbrush is the heavy and sustained advertising at home and abroad which for years has been building up to this moment when, for the present, we can fulfil all your orders.

The "Allure" Perfume Hairbrush is advertised by Showcards on all London Underground trains and on slides in cinemas throughout Great Britain.

Give these brushes prominent display and always show one brush apart as this calls attention to the fact that it is not an ordinary brush.

PRESS ADVERTISEMENTS REGULARLY APPEAR IN

Picture Post
Tatler & Bystander
Punch
Sketch
Vogue
Good Housekeeping
Lady
and many other journals

BY APPOINTMENT BRUSHMAKERS

G. B. KENT & SONS LIMITED
24 OLD BOND STREET : LONDON : W.1
'Phone: Regent 1471/2/3. Tel.: Tricho, Piccy, London

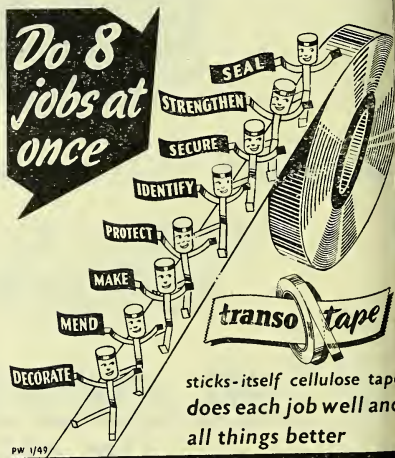
Here's a winner!

This attractive special display outer 21/- (inc. P. Tax) contains six boxes of 20 capsules at 3/10 each. One box of 40 capsules at 7/2.

POSTAGE FREE

Relief from rheumatic pains, headaches, neuralgia, influenza, feverish colds,

Simpkins of Sheffield



sticks-itself cellulose tape does each job well and all things better

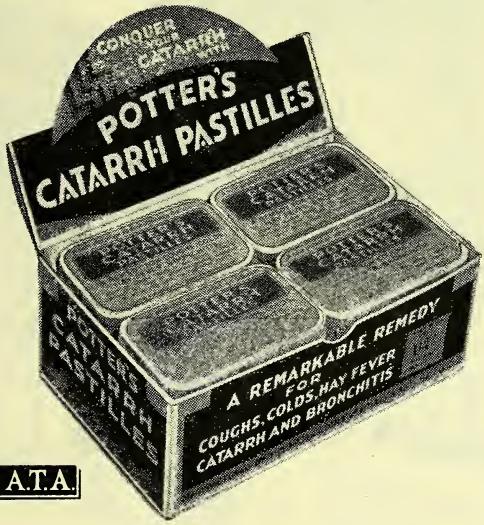
PW 1/49

GOSHERON
first for service in TAPES

JOHN GOSHERON & COMPANY LIMITED
GAYFORD ROAD LONDON W12
Gosheron Service is represented throughout Great Britain

Potter's

CATARRH PASTILLES



P.A.T.A.

Retail **1/4½** each. Wholesale **9/-** per doz.
Plus tax 3/-

Reminder: Potter's ASTHMA REMEDY, Retail 2/5
Wholesale, 18/-, plus tax. 6/- per doz.

NOW READILY AVAILABLE from

POTTER & CLARKE LTD.

60-64 ARTILLERY LANE, LONDON, E.1

Telephone: BIShopsgate 4761

and 77 DANTZIC STREET, MANCHESTER, 4

Telephone: BLAckfriars 8734

Pin·up A PRODUCT THAT WILL MAKE YOUR PROFITS GROW

The arrival of the new Pin-Up Home Cold Perm Outfit has already shown thousands of chemists the way to a fresh source of profits. Pin-Up is the *big news* on the beauty counter because it offers:

to women
—a pre-tested luxury permanent wave at prices for everybody

to chemists—
a-sky's-the-limit new field of business at incomparably generous profit margins

RETAIL PRICES

Salon-type Outfit - **15/-** (in ta
(With re-usable plastic curlers)

Standard Outfit - **10/-** (in ta
(With flexible curlers)

Refill Outfit - - **7/6** (in ta
(With everything except the Pin-Up curlers

"The British Home Perm for British Women"

PIN 9-1

's BETTER BUSINESS to-

boost your 'KEPLER' sales, for there is a bigger profit for you on every jar of 'KEPLER' you sell. A great national advertising campaign is making the public 'KEPLER' minded — now it's up to you — a prominent display featuring attractive Showcards and Crowner Cards means BIGGER SALES with **BIGGER PROFITS.** Ample supplies of 'KEPLER' are at present available, so stock up at once !

Keep 'KEPLER' to the fore

BURROUGHS WELLCOME & CO. (The Wellcome Foundation Ltd.) **LONDON**

WARRICK BROTHERS, LTD.

Manufacturers of Fine Products
for the
Discriminating Pharmacist.

PASTILLES
LOZENGES
TABLETS
CAPSULES
OINTMENTS
PILE PREPARATIONS

You can always depend on the
high standard of quality
that is consistently maintained.

WARRICK BROS. LTD. NILE ST. LONDON, N.1.

The

CHEMIST AND DRUGGIST

for RETAILER—WHOLESALER—MANUFACTURER

FEBRUARY 19, 1949

Published weekly at 28 Essex Street, Strand, London, W.C.2

Telephone: Central 6565 (10 lines). Telegrams: "Chemicus, Estrand, London."

le copies 1/- each. Annual subscription, which includes The Chemist and Druggist Diary and Year Book, 30/-

No. 3600 Volume CLI

CONTENTS

A Pharmacist's Anthology ... 237
Birmingham Analyst's Report ... 239
Births ... 232
Brighton and Hove Dinner ... 238
Business Changes ... 230
Coming Events... 256
Company News ... 230
Corrections to Pharmacopœia ... 235
Correspondence ... 251
Deaths ... 232
Dyestuff Centenary Celebration ... 245
Editorial Articles:—
Why Penalise Branded Remedies? 241
A Few Hours' Overtime ... 242
Needs of the Near East ... 242
Examination Statistics ... 251
Feltham Warehouse Extension ... 249
Irish News ... 228
Legal Reports ... 231
Local News ... 226
Members' Night at Durham ... 238
Overseas News ... 228
Personalities ... 233
Pharmaceutical Society of Ireland... 247
Pharmacy in South America... 239
Plant Hormones ... 243
Recent Research ... 246
Scottish N.H.S. Advisory Committee 230
Simplified Book-keeping ... 250
The Week in Parliament ... 234
Topical Reflections ... 229
Trade Marks ... 256
Trade Notes ... 236
Trade Report ... 252

NEWS OF THE WEEK

Trypanosomiasis Conference.—The In-national Scientific Committee for Try-nosomiasis, which concluded a five-day nference in London on February 11, ard reports on new trypanocidal drugs, luding Antrycide.

D.D. Authorities Withdrawn. — The me Secretary has withdrawn from red Leslie Clare Harrop, M.B., Ch.B., St Helens Lane, Otley Road, Leeds, 6, e authorities granted by the Regulations de under the Dangerous Drugs Act, 20.

Distribution of Drug Tariff.—In view the considerable number of alterations the Drug Tariff necessitated by the option of the present basis for pricing, copy of the January 1949 issue is to be it to all doctors and chemists (includ-; surgical appliance suppliers) under ntract to Executive Councils. [Doctors rmally receive copies of only the April ue of the Tariff.]

Opium by Air.—A consignment of ap-oximately three tons of opium valued £15,000, f.o.b., arrived at a London airport on January 14 from Turkey. The material, which has been purchased by J. F. Macfarlan & Co., Edinburgh, will help to relieve a current shortage of opium in this country. It is understood that some of the material will be available to other licensed manufacturers.

Hospital Management Meetings.—In a circular to hospital authorities the Minister of Health says that in some instances professional officers (e.g., medical superintendents and matrons) are being excluded from meetings of hospital management or house committees at which matters in which they are concerned are under discussion. In the Minister's view, says the circular, it is essential that these officers should be present to advise committees on such matters, unless there are special circumstances rendering it desirable that they should be temporarily absent.

Retail Trade in December 1948.—Weekly sales of chemists' wares by large-scale retailers in December 1948 were 15.4 per cent. higher than a year earlier. The increase is attributed to Christmas buying

which, although it started late, exceeded expectations. The only area to show a decline on December 1947 was central and west London, where sales fell by 2.8 per cent. Percentage increases recorded in other areas included: Scotland, 7.0; north-east, 21.7; north-west, 9.0; Midlands and South Wales, 20.1; South of England, 22.9; and suburban London, 21.8. Stocks of large-scale retailers were 7.1 lower at the end of the month than on the corresponding date in 1947. Sales of independent chemists were 1 per cent. lower.

Rejection of Salary Offer Endorsed.—More than 200 hospital pharmacists from London and the Home Counties, at a joint meeting of the London Branch of the Guild of Public Pharmacists, the Association of Scientific Workers and the Confederation of Health Service Employees held in London on February 15, unanimously passed a resolution endorsing the action of the staff side of the Pharmaceutical Whitley Council (Committee C) in rejecting the recent salary offer of the management side (see *C. & D.*, January 22, p. 106). Similar meetings were being held during the week in ten other centres. Delegates were appointed to attend a national conference to be held in London on February 24, at which future action to achieve a salary scale acceptable to the staff side is to be discussed.

Prescribing of Vitamin Preparations.—The Minister of Health has decided (without prejudice to any further decisions that may be necessary following advice he is to receive on the prescribing of border-line preparations from the Standing Medical and Pharmaceutical Advisory Committees) to regard Allen & Hanburys' malt and oil, Wanders' malt and oil, and Radiostoleum as not coming under class C.2 (i.e. preparations that should be prescribed only in special circumstances) in the "Definition of Drugs for Purposes of Medical Benefit" issued by an expert advisory committee in 1929 (see *C. & D.*, 1948.II.805). The first two substances, says the Minister, are of B.P. standard and no more expensive than the Drug Tariff preparation, and Radiostoleum is no more expensive than the nearest official preparation. It is, however, the Minister's view that malt and oil preparations and vitamin preparations in general should be regarded as drugs only when prescribed for a definite therapeutic purpose. When ordered as a routine measure for healthy children, etc., they are, in his view, being taken as food adjuncts.

LOCAL NEWS

Bath Social Evening.—The Bath Bra of the Pharmaceutical Society held annual social evening at the Pump Roo Bath, on February 3. The programme cluded a whist drive, games and comp tions, and conjuring displays given by F. Castle

Guildford Lecture on Laboratory A mals.—A lecture on "The Production Uses of Laboratory Animals" was gi at a meeting of the Guildford Phar cists' Association on February 10 by A. L. Bacharach, M.A., F.R.I.C. (Gl Laboratories, Ltd.). The lecture was il trated by lantern slides.

London Sales Conference. — A s conference held in London, January 17- by W. J. Bush & Co., Ltd., was atten by a number of the company's overs representatives and Mr. Michael Dw (agent in Dublin) as well as by all company's United Kingdom represe tives. The speakers included Dr. P. C. Isherwood (chairman), and Mr. H. Bush (joint managing director).

Visit to Manchester Laboratories Members of the junior section of the Bla pool Branch of the Pharmaceutical Soci visited the Manchester laboratories James Woolley, Sons & Co., Ltd., February 9. The party was led by Mes R. Stuttard (president) and G. Bar (vice-president) and received by Messrs. Boardman (works manager) and T. Dur (area representative).

S.E. London Film Show. — A p gramme of films presented by the Cent Office of Information at a meeting of South-east Metropolitan Branch of Pharmaceutical Society on February 8 cluded the Evans Medical Supplies, L film, "Take Thou." Mr. J. Adams, w introduced the film, said copies had b sent to Australia, New Zealand, So Africa, the United States and the Sov Union. Mr. P. G. Flood (chairman) p sided at the meeting.

Manchester Annual Dinner. — At t annual dinner and dance of the Manch ter Pharmaceutical Association and Bran of the Society held on February the guests included the chairman a the clerk of the Manchester Executi Council (Messrs. F. B. Dinsdale, J.P., a J. W. Dewhurst), the chairman and t clerk of Salford Executive Council (Ca tain S. H. Hampson and Mr. J. Clou and the medical officers of health for Ma

ster and Salford (Drs. C. Metcalfe wn and C. L. Burn). The president of Association (Mr. E. Cronin) welcomed re than 250 guests. Professor H. ndle (chairman of the Branch) pro- ing "Our Guests," spoke of the wide iety of work that came within the ambit medical officers of health and said the cutive Councils of both cities had been st zealous in dealing with problems that se in the National Health Service. Dr. Metcalfe Brown and Captain S. H. mpson acknowledged the toast. Mr. Wilkinson was master of ceremonies.

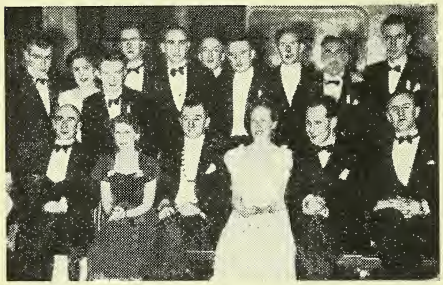
Mr. Mallinson in Birmingham. — Ad- ssing members of the Birmingham armaceutical Association on "Your sponsibility under the National Health vice" on February 1, Mr. G. A. Mal- on (secretary, National Pharmaceutical ion) said pharmacists were accountable the public, to the Ministry of Health l to the pharmacists of the future. There no legal obligation for them to dis- se urgent prescriptions at any time of ht but Mr. Mallinson urged them to sider any such demands sympatheti- ly. Chemists had an obligation (1) to vide a prompt and efficient service; (2) maintain adequate stocks and proper ipment; (3) to grant employees fair ges and conditions. Rota services (with ment to cover overheads) had been or- ised to provide a minimum service but y should be extended when required. a discussion that followed, Mr. Toy eed that longer hours of service than minimum should be provided. Mr. ll stressed the importance of providing emergency service and said doctors uld be informed of local rota arrange- nts. [Birmingham Executive Council ies copies of the chemists' rota to all ctors in the rota area]. Mr. F. A. Gunn d that no complaints had been received the Hours of Service Committee. A e of thanks to Mr. Mallinson was pro- sed by Mr. H. H. Marshall.

N.H.S. Terms Criticised at Bangor.— a joint meeting of the Anglesey, North rnarvonshire and Colwyn Bay Branches the Pharmaceutical Society and the tional Pharmaceutical Union held at ngor on February 9, Mr. H. R. Evans, thesda, in the chair, a discussion took ce on the working of the National alth Service during the past seven nths. Speakers said that their experi- ce of the working of the service and the yments so far received had borne out the contention that the terms were inade- quate; the branches had been right in urg- ing rejection of the terms in June 1948. Remuneration received, members claimed, was not adequate to offset the loss caused by the decline in private dispensing. The following resolutions were carried unani- mously: (1) That every effort be made to increase total remuneration to chemists, particularly in view of the high rates paid for other services; (2) that where purchase tax was removed or reduced on proprietary articles, the pricing committee should con- tinue to allow for purchase tax for a suffi- cient period (at least three months) to allow stocks of articles on which tax had been paid to be disposed of. Other causes of dissatisfaction mentioned were the inade- quacy of the fees paid for dispensing "urgent" prescriptions (particularly for those presented in the middle of the night) and difficulties peculiar to pharma- cists practising in rural areas.

N.H.S. Questions Answered. — A sur- vey of the National Health Service was given at a joint meeting of the Reading Branch of the Pharmaceutical Society and the Reading and Berkshire Branch of the National Pharmaceutical Union on Febru- ary 10 by Mr. J. Wright (N.H.S. depart- ment of the N.P.U.). Mr. Wright then answered a number of questions. Mr. E. E. Locker asked why scripts must be sorted into date-written instead of date- dispensed batches; many pharmacists found the system inconvenient. Mr. Wright said the Accountant-general's department was unwilling to accept the date-dispensed system. Mr. S. G. Bubb took strong ex- ception to the testing of dispensing and said he was still unconvinced after Mr. Wright had explained that the alternative (testing under the Food and Drugs Acts) would be even more distasteful. Mr. W. L. Pullen, who asked for the adoption of a standard ointment container, was told that the question was already being considered. Further questions were asked about the shortage of dressings, particularly of crêpe bandages. Mr. Wright said the shortage was probably only temporary. Quantities of dressings which, members complained, had been seen on the counters of one-price stores, were not of B.P.C. quality. Asked whether rota fees should be handed over to employees, the speaker said it was a matter to be settled between employer and employee; the fee was intended not as an overtime payment but to cover overheads caused by the extra period of opening.

IRISH NEWS

Belfast Supper Dance.—The third annual supper dance of the Guild of St. Albert and St. Gemma, held in Belfast recently, was attended by the president of the Pharmaceutical Society of Northern



Ireland (Mr. H. H. Cowzer), with Mrs. Cowzer, and by Mr. William Gorman (secretary). The programme was arranged by Miss D. Davey and Messrs. H. McCaffrey (secretary of the Guild), E. Collins, F. Monaghan, L. Corrigan, W. Loughran, D. Wylie and T. McDaid.

Memorial to Dublin Pharmacist.—As a tribute to the memory of the late Councillor Michael J. O'Rourke, M.P.S.I., the Dun Laoghaire borough council has decided to name a new housing scheme in the borough after him. (The late Councillor O'Rourke, who was one of the ablest members of the Dun Laoghaire borough council and a zealous member of the Irish Drug Association committee, was a brother of Mr. James A. O'Rourke, who has been a member of the Council of the Pharmaceutical Society of Ireland for many years —see *C. & D.*, 1946.II.295).

Dublin Chemists' Dance. — The twenty-first annual dance held by the Pharmaceutical Chemists' and Students' Club in Dublin recently was attended by nearly 500 guests. They included Mr. P. A. Brady (president, Pharmaceutical Society of Ireland) and Mrs. Brady, Mr. J. Gleeson (treasurer of the Society), and Mr. J. G. Coleman (registrar) and Mrs. Coleman. The organising committee was as follows:—Messrs. E. J. Browne (chairman), Mr. T. O'Keefe (vice-chairman), W. J. Gardner (treasurer), M. Walshe (secretary), T. Cosgrove, A. Devlin, S. Fox, J. Gaffney, W. Gill, M. Hanna, F. O'Dowd, G. O'Connor, J. O'Grady, G. O'Neill, J. D. Tooher and J. Treacy and the Misses E. Carolan, P. Fallon, N. McEnroe, McNulty, and U. O'Reilly. The Trust of the committee are Messrs. P. C. Cal S. McCauley, and M. Hanna.

Ulster Chemists' Association.—At February meeting of the executive comm tee of the Ulster Chemists' Association, president (Miss C. E. Culbert) in the ch Mr. W. S. Hall, Ph.C., Larne, was opted to the committee. He had b nominated by the East Antrim Pharmaci Association to fill a vacancy created by resignation of Mr. E. A. Poots, Larne. T secretary (Miss A. E. Strachan) repor that the Ministry of Food, in response representations from the Association the withdrawal of regulations requiring tailers to mark green ration books agai each sale of proprietary infant milk foo had stated that a withdrawal was not p sible; if sales were unrestricted in North Ireland trade might take place in su foods between retailers in Northern Irela and residents in Great Britain. The follo ing new members were elected:—Mes S. M. Davis, Ph.C., Kircubbin (succes to the late Mr. J. McCarthy), Ewart a Emerson, Caledon, co. Tyrone, J. E. Hobson, Ph.C., Moy, co. Tyrone, and T. Quinn, Ph.C., 129 Lecky Road, Lond derry. The following were admitted associate membership:—Assistants: M H. E. Moore and Mr. M. G. Gree apprentice, Mr. J. Millen.

OVERSEAS NEWS

World Health Organisation.—Reque for aid covering the fields of malai tuberculosis, venereal diseases, and ot health problems have been received by t World Health Organisation from fift European governments in war devasta areas. They are to be dealt with by a nev appointed Special Office for Euro Geneva, which is to work in close co-ope tion with the Medical Supply Section the W.H.O. As part of a plan to ma good the present shortage of penicillin a other antibiotics in parts of Europe, t Office has called a conference at Gene in February, of technical experts fr Byelo-Russia, Czechoslovakia, Polar Ukraine and Jugo-Slavia. Under scheme that is being arranged by the C ganisation, fifty doctors and nurses fro European countries are to attend a si month course in England during 1949 the use of insecticides in the control malaria and against flies.

TOPICAL REFLECTIONS

epted Resolutions

he resolutions accepted by the Council he Pharmaceutical Society for submis- at the next Branch Representatives' ting (pp. 216-17) are worth study by y member of the Society. The meeting rred to will presumably be held in con- ion with the Society's annual meeting May. As was the case a year ago, some hese resolutions indicate a limited out- and will probably be amended or re- d after discussion. Others have more tance. The Liverpool and District ich suggests that inspection of records premises under the Dangerous Drugs be transferred to the Pharmaceutical ety. I agree. In your issue of Feb- y 19, 1921, a cartoon by Mr. Granville w humorously indicated the bewilder- t of a constable when scrutinising a gerous Drugs register in a pharmacy. at these worthy officials make of the ies they examine in such registers I not know. That they were ever in- cted to add this duty to their mixed ip of functions is an obvious absurdity; objections to the arrangement have diminished with the passing of time. practical issue is to find a method of cting the transfer of supervision. This ild not be difficult. Regulation 11(5) he Dangerous Drugs Regulations, 1937, ly states that every register indicated t shall be kept on the premises named, d so as to be at all times available inspection." Neither here nor else- re, as far as my reading extends, is e any designation of the authority re- sible for the inspection. Possibly the ons Board may be induced to use its ence in furthering the desired reform.

Expression and a Testing

wo other resolutions in the same series ild receive general approval. The West ex Branch wishes the Society to dis- rage the use of the expression "quali- pharmacist." This is not so academic ish as it might at first sight appear to As the resolution points out, the se implies the existence of unqualified macists; it is really a catachresis or a radiction in terms. With its com- ions "pharmacist by examination" and emist by examination," it may well be igned to oblivion. The Monmouth- e and Newport Branch desires that the ng of National Health Service prescrip- tions should apply to health centres as well as to panel chemists. This would be an equitable extension of the testing scheme. I may remark, however, that health centres could hardly be brought into the scheme without including hospitals also. Those of your correspondents who are anxious to procure the abolition of dispensing tests are, I think, too nervous about the dignity of their profession, which at this date is well established. I agree neither with them nor with those who urge the extension of the scheme to medical practitioners' surgeries. Dispensing by medical men has been reduced to so small a proportion of total dispensing that the time for checking it by tests has almost if not quite passed. To start a campaign on the subject now would savour of vindictiveness. It would be rather like flogging a moribund horse on its way to the knacker.

Hairdressers on Their Dignity

Since your editorial article on p. 209 appeared, the Hairdressers (Registration) Bill has been given its second reading in the House of Commons. It will be of interest to see whether this precious effort in regimentation survives the parliamentary scrutiny that still awaits it. Far be it from me to belittle the mysteries of boardwork and postiche: my ignorance of both these esoteric subjects leads me to hope that I shall never need the aid of practitioners of either of them. It may be consoling to people graciously described as registered chemists to know that, without being registered under the new Act—if the Bill reaches that stage of ripeness—they may apply "cosmetics, antiseptics, hair lotions, or tonics, powders, creams or similar preparations." Probably, however, chemists in business who add beauty parlours to their departments will take steps to see that their assistants are similarly safeguarded, and will demand the extension of the concession to all operations usually undertaken in these establishments. Hairdressers' customers are more interested, I should have thought, in methods of sterilising appliances in these shops than in the legal status of persons using them. Whether the processes employed would satisfy manufacturers and others accustomed to scientific sterilisation is a debatable point. Perhaps we had better not be too inquisitive about this matter.

Xrayser

NEW COMPANIES

Atlas Surgical Supplies, Ltd. (P.C.).—Capital £4,500. To carry on the business of makers of surgical instruments, opticians, lens manufacturers and dealers, etc. H. Burrows, director. R.O.: 88 Rusholme Road, Manchester.

Burns (Reading), Ltd. (P.C.).—Capital £3,000. To carry on the business of chemists and druggists, sundriesmen, etc. Robert Burns, Beatrice A. Burns and Donald J. Cooper, directors. R.O.: 277 Basingstoke Road, Reading.

De Garith Co., Ltd. (P.C.).—Capital £100. To carry on the business of manufacturers of and dealers in cosmetics, toilet requisites, etc. William F. Deane and Jane L. Deane, directors. R.O.: 361 Kingston Road, London, S.W.20.

Waddell & Mallie, Ltd. (P.C.).—Registered in Belfast. Capital £500. To carry on the business of chemists and druggists, opticians, etc. Michael J. Waddell and Peter Mallie, directors. R.O.: The Square, Poyntspass, co. Armagh.

Company News

Burt, Boulton & Haywood, Ltd.—Interim dividend of 3 per cent. (compared with 3 per cent. in previous period of nine months).

Tintex Dyes, Ltd.—Shareholders of the company are informed that Marshall's Food Products, Ltd., packers and distributors of Tintex dyes, have acquired the shares of Mr. E. Dee, chairman and managing director. Mr. Dee has resigned these appointments and becomes vice-chairman. Mr. S. H. Marshall has been appointed chairman and Mr. F. W. Harris is now managing director.

Southalls (Birmingham), Ltd.—Net profit for 1948 after taxation amounted to £116,501 against £117,197. A final dividend is recommended of 22½ per cent., making 32½ per cent. (the same as in previous year). The sum of £29,091 goes to general reserve, and £15,000 to stock reserve; £105,753 is carried forward, against £101,998 in 1947.

Liebig's Extract of Meat Co., Ltd.—Group profits for the year ended August 31, 1948, after taxation, amounted to £524,381 against £472,978. The ordinary distribution is maintained at 9 per cent. tax free with a final dividend of 7 per cent. tax free. The sum of £100,000 is reserved for contingencies and £195,241 is carried forward compared with £191,152 brought in from 1946-47.

Borax Consolidated, Ltd.—Net profit for the year ended September 30, 1948, after taxation, amounted to £267,597, against £402,104 in the previous year. A final dividend of 6 per cent. on deferred ordinary stock is recommended plus a bonus of 2½ per cent., making 12½ per cent., the same as in 1946-47. The sum of £27,004 is transferred to general reserve (nil) and £586,180 is carried forward.

Savory & Moore, Ltd.—Net profit for the year ended March 31, 1948, amounted to £118,439 (against £87,108 in the previous year), which with £49,693 brought forward makes £168,131 available for appropriation. Taxation, £49,754 (£49,041); War Damage Acts suspense account balance written off, £11,719 (nil). After payment of prefe stock dividends (£17,482) it is proposed to tra £5,000 to general reserve (£23,000) leaving a forward of £84,177. Mr. Ernest J. C. Savory retiring director, offers himself for re-election.

BUSINESS CHANGES

Mr. John Barlow Clegg has been appointe the Colonial Service as Secretary for Econ Affairs in Jamaica.

J. C. Verbinnen, Ltd., import and e merchants, have removed to 70 St. John St London, E.C.1 (Telephone: Clerkenwell 3793.

Kaylene, Ltd., have appointed Mr. F. C. S to be a representative for their proprietary ducts and pharmaceutical and fine chemicals.

Mr. John T. Foley, L.P.S.I., has acquired pharmacy at Clontarf Road, Clontarf, Dublin, merly carried on by Mr. H. P. Corrigan, M.P

John Harley, Ltd., chemists, have transf their head office (including the counting h and central buying department) to 153 Reg Street, London, S.W.1 (temporary telephone n ber: Victoria 7814).

The United Kingdom Section, Anglo-Amer Council on Productivity, has been constit as a private company, limited by guarantee; members of the U.K. section of the Council the directors, with the joint secretaries as ma ing directors. Sir Thomas Hutton, K.C. C.B., M.C., has been appointed general man and Mr. Paul H. Brind is visits secretary.

SCOTTISH N.H.S. COMMITT

The membership of the Pharmaceut Advisory Committee (Scotland) has b announced as follows:—

Appointed by Secretary of State

Mr. John Boyd, M.P.S., Edinburgh (m ager in Scotland for Boots, Ltd.).

Mr. C. A. Buick, M.P.S., Port Glasgo

Mr. Colin Campbell, M.P.S. (mana retail drug department, S.C.W.S., L Shieldhall, Glasgow).

Mr. P. H. Cartwright, M.P.S., Calashi

Mr. David Currie, M.P.S. (Pharmacist Foresthall Institution, Glasgow, chairman, Guild of Public Pharmaci

Mr. C. W. Macfarlane, Ph.C., Dundee

Dr. I. M. Macleod, Inverness (member Drug Accounts Committee, Scotland)

Mr. J. H. Ramsay, Ph.C., Edinburgh.

Mr. G. D. Stewart, M.P.S. (representa for East of Scotland on the Associat of Pharmaceutical Employees).

Appointed by Health Services Council

Mr. C. G. Drummond, M.P.S., Edinbur

Dr. D. McCall, Edinburgh (Assistant R dent Secretary in Scotland of the Ph maceutical Society).

One vacancy has still to be filled.

LEGAL REPORTS

harmacy Act Fine. — At Neston, s, magistrates' court recently, William lor, hardware and ironmongery dealer, h Street, Neston, was summoned for ng poisons without having a licence orce, and without having the poisons ked with the seller's name and ess. An inspector under the Pharmacy Poisons Act, 1933, gave evidence of chase. When he interviewed defendant ound that the licence had expired on il 30, 1948. A fine of £10, with £1 1s. s, was imposed.

lleged Deficiency in Mixture. — At smouth magistrates' court on February Cupal, Ltd., manufacturing chemists, kburn, Lancs, were summoned for ng a proprietary mixture in which the ine content was alleged to be less than stated on the label. The city analyst luced a bottle of cinnamon and quinine emon syrup prepared by the defen- s and purchased at a chemist's shop ratton, Portsmouth. He said he had d the quinine content to be only half amount stated on the label. The pany pleaded not guilty and brought ence to prove that efforts had been e to call in supplies of the mixture n, in April 1948, it had been dis- red deficient in quinine content. The istrates found the case proved, but dis- ed it under the Probation of nders' Act on payment of costs.

mprisoned for Cocaine Theft.—At the tral Criminal Court, London, recently, ed Cutter, warehouseman, London, 1, who pleaded guilty to stealing gm. of cocaine, was sentenced to two s' imprisonment. Harry Cohen, buyer, reditch, was sentenced to eighteen ths' imprisonment, and Leslie Gold- n, steeplejack, London, E.1, to twelve ths' imprisonment on pleading guilty nlawfully possessing 172 gm. cocaine also *C. & D.*, 1948.II.691). For the ecution it was stated that Cutter was loyed as a packer by The British Drug ses, Ltd., Graham Street, N.1. In ober 1948 the company had an order n Brazil for a quantity of drugs, of ch cocaine formed a part. Some of bottles of cocaine next turned up when ce officers kept observation in Brooke d, Clapton. They noticed a motor car en by Cohen, with the other two defen- s sitting inside as passengers. The stopped, and the officers saw Cohen hand a parcel to Goldstein, who got out and walked away. He was followed by the police through several streets and was questioned by them when he came out of a telephone kiosk. In his possession were thirty-four bottles, containing 136 gm. cocaine. Goldstein said it was intended to sell the cocaine for £30 an ounce.

Contract to Buy Sodium Sulphate.—In the King's Bench Division, London, on February 4, Dyas & Fowle, metal merchants, Fairfax Place, Kilburn, N.W.6, asked the court to set aside an award made in favour of Mr. Harold Fernand Bowman, trading under the title Technical Advisory Bureau, Hamilton Gardens, St. John's Wood, in a dispute concerning 208 tons of sodium sulphate commercial crystals. The arbitrator had held that there was a contract under which Messrs. Dyas & Fowle agreed to purchase the goods from Mr. Bowman; that that contract was never rescinded by mutual agreement as appellants contended, and that Messrs. Dyas & Fowle, in breach of the contract, refused to accept delivery of 208 tons of sodium sulphate. He held that the market price was £7 15s. per ton, and the contract price was £12 15s. per ton, and he awarded Mr. Bowman £924 13s. in all, with costs of the arbitration. Messrs. Dyas & Fowle now asked for the award to be set aside on the ground that the arbitrator had deprived himself of the possibility of looking at the true facts of the case in a judicial manner. Alternatively, they asked for the award to be remitted for the arbitrator to consider the question of the market price. They contended that evidence secured since the arbitration showed that the market price of sodium sulphate in December 1948 was £11 5s. per ton. The judge, after having examined many instances raised in support of the motion, held that it was not shown that there was any lack of proper judicial investigation of the matters in dispute. Nor was there any ground for remitting for consideration the award for the market price. The date at which the market price had to be found was towards the end of 1947, and a circular that came into existence in December 1948 could not be conclusive—and might not even be indicative —as to the market price at the earlier date. The motion was accordingly dismissed, with costs, and a stay of execution refused.

BIRTH

Bowman. — At the Maternity Hospital, Dunfermline, on February 5, Edrie, the wife of John Bowman, M.P.S., Royal Naval Medical Depôt, Rosyth, of a son.

DEATHS

Deakin.—At Drumcollogher, co. Limerick, recently, Mr. Howard Ernest Deakin, R.D. Mr. Deakin, who qualified in 1929, and had been in business for several years, was a brother-in-law of Mr. T. C. Scott (vice-president of the Pharmaceutical Society of Ireland).

Hutchinson. — Suddenly, on February 1, Mr. Samuel Hutchinson, Ph.C., 490 Antrim Road, Belfast, aged thirty-six. A native of Moneymore, co. Derry, Mr. Hutchinson was educated at Magherafelt and served his apprenticeship with Mr. Charles Rea, Cookstown. After qualifying in 1937 he served with Mr. T. H. Giff, Woodvale Road, Belfast, and with Heatrick & Giff, Donegall Street, Belfast, before acquiring the business of Mr. H. Cousley at Antrim Road. He is survived by his widow and three young children.

Nicholson. — On January 29, Mr. Arthur Nicholson, M.P.S., aged eighty-five. Mr. Nicholson was in business at 198 Lancaster Road, Enfield, Middlesex, for thirty-five years prior to his retirement in 1947. His pharmaceutical apprenticeship was served with Mr. William Ross Hedges, Dale End, Birmingham, in 1881. He qualified in 1902.

Warden.—At Carshalton War Memorial Hospital, Surrey, on February 12, after being in hospital for six weeks. Mr. A. E. Warden, 5 Lytton Gardens, Wallington. Mr. Warden retired in 1942 after fifty years' service with Burroughs Wellcome & Co., London, as guardian of the industrial property rights of the company. Mr. Warden celebrated his Golden Wedding in 1947.

Whitwell.—On February 9, Mr. Frederick William Whitwell, aged seventy-seven. Mr. Whitwell, who qualified a chemist and druggist in 1892, was many years in business in Peterboro He served his apprenticeship to a l chemist and gained experience in var parts of the country before returning Peterborough to assist his father in family business, founded in 1856 (a b ness with shops in Peterborough Oundle, now carried on by two sons Mr. F. W. Whitwell). He was one of first opticians to qualify in Peterboro and was for a time a member of the and county councils.

Williams.—On February 11, Mr. liam George Williams, Homestead, Mo Road, Werneth Low, Hyde, Ches, a eighty-four. Mr. Williams qualified a chemist and druggist in 1888 and pa the Pharmaceutical Chemist examina in 1890. He was formerly for many y at Abercynon, Glamorgans.

WILLS

Mr. J. Williamson, M.P.S., 7 Oakland R Liverpool, left £1,373 (£1,068 net).

Mr. E. Ruston, Ph.C., The Bell, Aspley G Beds, and 31 Bletchley Road, Bletchley, Bu left £17,240 (£15,707 net).

Mr. W. P. Fairhurst, retired pharmacist, Dicconson Street, Wigan, Lancs, left £8 (£8,867 net).

Miss M. G. Wagstaff, Ph.C., Ray Park Ave Maidenhead, Berks, formerly of 123 College Road, Harrow Weald, Middlesex, left £28 (£27,975 net).

Mr. A. W. Brown, M.P.S., 100 Ashted R Birmingham, left £4,936 (£4,798 net). He queathed his body to the Medical School Hosp Centre, Birmingham, for anatomical examinat

Colonel R. K. Harvey, D.L., T.D., Wetherby Gardens, London, S.W.5, a former di tor of The British Drug Houses, Ltd., left £71, (£70,107 net).

Mr. H. Biggin, 11 Pye Nest Road, Halifax director of H. Biggin, Ltd., manufacturing ch ists, Bedford Street, Halifax, left £3,831 (£3, net).

Mr. F. C. Devon, Kenwyn Lodge, Fortis Gr Road, London, N.2 (founder of F. C. Devon Co., Ltd., chemical merchants, 17 Philpot La London, E.C.3), left £281,658 (£275,596 net).

Mrs. L. M. Jones, Brendon, Dartmouth Aven Newcastle-under-Lyme, Staffs, a director of mund Jones, Ltd., Miles Bank, Hanley, Stoke- Trent, Staffs, widow of the late Mr. Edm Jones, M.P.S., left £14,725 (£14,393 net). left £200 to Mr. Edward Corner, M.P.S. (mana of the business), and £100 to the North Staffs Te nical College, Shelton, Stoke-on-Trent, for a ph macy prize in memory of her husband.

PERSONALITIES

IR. J. E. OWEN, M.P.S., has retired r being in business in Bangor, Carnar-s, for fifty years.

IR. PHILIP STONE, M.P.S., is sailing for ney, Australia, on March 3, after sell-his business at 89 Sibson Road, Bir-, Leicester.

R. E. V. MCCOLLUM, Professor Emeritus Biochemistry at the John Hopkins University School of Hygiene and Public Health, Baltimore, U.S.A., the discoverer of vitamins A and D, and a discoverer of vitamin B_1, has been given a grant-in-aid of $5,000 for research in 1949 on the chemistry of nutrition. He is studying amino acids. Professor McCollum made his discovery

vitamin A and his independent dis-ery of vitamin B during a long teach-career at the University of Wisconsin, nning in 1907 as instructor in agri-ural chemistry. After being appointed ohn Hopkins University as Professor iochemistry in 1917, he made his dis-ry of vitamin D. He became Pro-r Emeritus in 1944.

R. P. MILNE (Northern representative V. B. Cartwright, Ltd., Rawdon, Leeds) been elected chairman of the New-e-on-Tyne Branch of the United mercial Travellers' Association for —the Diamond Jubilee year of the ch.

R BEN LOCKSPEISER (chief scientist to Ministry of Supply) has been appointed tary to the Department of Scientific Industrial Research. He succeeds Sir ard Appleton, F.R.S., who has been inted principal of the University of burgh.

R. R. H. HENRIKSEN, M.P.S., A.R.I.C. f pharmacist, Dulwich Hospital) has led to resign from the Pharmaceutical tley Council to allow himself more for duties connected with his mem-hip of the Central Health Services ncil and the Pharmaceutical Standing sory Committee.

MR. P. H. SMITH, B.Sc., F.R.I.C., who has been elected president of the Chemists Federation (see *C. & D.*, February 12, p. 206) has been a director of Gale, Baiss & Co., Ltd., since 1941. He started his career at East Ham Technical College, leaving after four years to join the staff of the analytical laboratory of Burgoyne, Burbidges & Co., Ltd. During his eight years' experience with the company he gained an exhibition at Birkbeck Evening Institute, and obtained his degree (Honours chemistry) in 1921. In the same year he joined Baiss Bros. Ltd., as a laboratory chemist, and a year later was admitted to the Associateship of the Royal Institute of Chemistry. In 1934, following an amalgamation with Gale & Co., Ltd., he was appointed works manager to the new company. During the same year he was awarded his Fellowship (food and drugs).

MR. EDGAR MOSS, M.P.S., founder of E. Moss, Ltd., chemists, Feltham, Middlesex, (see p. 248) qualified in 1902 after studying at Manchester, and started in business in his own account at Feltham in 1915. He has now retired from active day-to-day control of the company but continues as governing director, presiding at all meetings of the board. Mr. Moss lives in semi-retirement at Barton-on-Sea, near Bournemouth. A keen Freemason he is a Past Master of two lodges. His son, Mr. Harold G. Moss, M.P.S., (managing director of the company) qualified from Chelsea Polytechnic in 1928, after an apprenticeship in Horsham. In 1929 he became manager of his father's newly acquired branch at Southall, and was appointed managing director when the business became a limited company in 1934. He was appointed a member of the organising committee of the Unichem Association in 1940. In 1944 Mr. H. G. Moss was co-opted to the Middlesex Pharmaceutical Committee in place of the late Mr. Herbert Skinner, and he is a member of the present Pharmaceutical Committee under the N.H.S. Act.

Mr. Edgar Moss, M.P.S.

THE WEEK IN PARLIAMENT

By a Member of the Press Gallery, House of Commons

News of heavy January exports was given to the House on Februarv 8 by Mr. Harold Wilson (President of the Board of Trade). The provisional figures, he said, showed that exports in January were 8 per cent. greater in value than in November. That was not only far and away the highest figure by value which the country had had, but it showed a large increase in volume over the 1938 exports. It looked as though the figures for January were not far, if at all, short of the figure of 160 per cent. of the 1938 volume. That was a remarkable performance and a tribute to workers and managements, technicians and salesmen, in spite of great selling difficulties abroad.

Purchase Tax and Retail Prices

Mr. Douglas Jay (Economic Secretary to the Treasury) told Sir Thomas Moore on February 8 that purchase tax had been responsible for less than 3 per cent. of the rise in average retail prices since 1914, reckoned over the whole field of personal expenditure. If there had been no purchase tax, the consumer's £ would today have no more than 37 per cent. of its 1914 purchasing power against the 36 per cent. that it actually had.

Competition from German Industries

Mr. Harold Wilson, in a statement on German competition on February 10, gave a detailed list of industries which the Government thought were competitive. The list included chemicals, glass and scientific instruments. It was from goods of this category, he said, that Britain must expect continuing competition in the future.

Thyroid a "Dangerous" Drug ?

Mr. H. L. Austin asked the Home Secretary on February 10 if he was aware of an increase of fatalities and serious illnesses arising from excessive use of thyroid tablets, and if he would consider including that "dangerous" drug in the restricted-sale provisions of the Dangerous Drugs Act. Mr. Chuter Ede: I am advised that thyroid extract is not a drug which would be productive of ill-effects similar or analogous to those produced by morphine or cocaine, and that consequently it is not a drug to which the Dangerous Drugs Acts can be applied.

Health Centres

Mr. Aneurin Bevan (Minister Health) informed Sir Ernest Grah Little on February 10 that it was practicable to make estimates of the r ber of health centres required.

Prescriptions for Laxatives

Mr. E. H. Keeling asked the Min of Health on February 10 whether he aware that some National Health Se doctors declined to write prescriptions laxatives, first-aid dressings, antiseptics other household remedies which, before Service came into existence, were not mally obtained on a medical prescrip and whether he would make a staten Mr. Aneurin Bevan replied that it the duty of a doctor under the Nati Health Service to prescribe any drug prescribed appliance which he consid necessary for the treatment of a pa or for the prevention of disease, but it no part of his responsibility to presc drugs and household remedies for hea persons for purposes of self-medication

Hearing-aids for Export

Mr. G. R. Strauss (Minister of Sup informed Sir. E. Graham-Little on Fe ary 9 that the specification and de details of the Medresco hearing-aid been published and might be used by manufacturer without charge, though name Medresco might not be used wit Government permission.

Government's Policy on Distribution

In the House of Lords, on Februar Lord Lloyd called attention to the p tion of the small trader. He said no had suffered so much from excessive in ference by the Government since 1 The Government should make clear attitude to distribution.

Lord Lucas, for the Government, that the lot of the small trader had better under control and rationing before. The Government's policy was to return to the economics of *laissez f* but on the other hand they had no p for nationalising retail trade. had certainly no intention of driving small shopkeeper out of business. Government's aim was to maintain co tions in which the more efficient u whether large or small, had an oppor ity to increase their trade.

CORRECTIONS TO PHARMACOPŒIA

following corrections to the British rmacopœia, 1948, have been approved he General Medical Council:—

5, line 36: for 114° read 115°.
, line 13: for 185 read 194; line 15: r 2.0 read 3.0.
: delete lines 15-19; insert: **Water-soluble matter.** Place 1 g. in a stoppered flask with 120 ml. of *water* at 25°, d shake frequently during two hours, aintaining the temperature at 25° roughout; filter through a Gooch ucible, which has been prepared with bestos, dried at 100° and tared; wash e residue on the filter with 25 ml. of *ater,* and dry at 100°; the residue eighs not more than 15 mg.
): after 42 insert: **Foreign organic atter.** Not more than 2.0 per cent., ge 780.
8, line 9: for 97.0 read 96.0
2, line 28: for **0.12 to 0.2 G.** read **12 to 0.25 G;** for **2 to 3 gr.** read **2 4 gr.**
3, line 26: for Peniiclin read Penilin.
7: delete: the paragraphs under **Diatic value.**
8, line 31: for Hexodarditone read exobarbitone.
0, line 18: for **Ether-insoluble resins, d Acid-value of ether-insoluble resins** ad **Ether-insoluble resins and Acidlue of ether-soluble resins.**
6, line 29: for 319.9 read 373.9;
9, line 7: delete: below the aqueous ver.
4, line 21: for +57° to +60° read 36° to +40°.
6, line 3: for 3.0 read 4.0.
0, line 35: delete: Each ml. of *N/10 lphuric acid* is equivalent to 0.2852 g. anhydrous morphine.
0, line 45: for uniserial read uniserie.
3: delete the paragraph under **Colony.**
9: delete lines 9 and 10.
5, lines 25 and 30: for Storax read epared Storax.
4, line 5: for "and" read: allow to nd for fifteen minutes and add . . .; es 7 and 8: delete : after standing fifteen minutes.
6, line 33: for prepare read prepared; e 34: for "he" read "the."
9, line 14: for w/v read v/v.
4, lines 39 and 40: for :(approximately 36.5 per cent. w/w of HCl), read : diluted with *water* to contain approximately 32 per cent. w/w of HCl.
p. 767, line 9: for *STORAX* read *PREPARED STORAX.*
p. 784, line 23: delete hydrochloride.
p. 802, line 14: for $L_\dagger$ and the L_0, read $L_\dagger/_5$ and the $L_0/_5$; line 16: for $L_\dagger$, read $L_\dagger/_5$; line 20: for L_0 read $L_0/_5$; line 24: for $L_\dagger$ and L_0 read $L_\dagger/_5$ and $L_0/_5$; line 45: for $L_\dagger$, L_0, read $L_\dagger/_5$, $L_0/_5$; line 48: for $L_\dagger$, L_0, read $L_\dagger/_5$, $L_0/_5$.
p. 803, line 5: for $L_\dagger$ dose, or 1 L_0, read $L_\dagger/_5$ dose, or 1 $L_0/_5$; line 8: for $L_\dagger$ read $L_\dagger/_5$; line 10: for L_0 read $L_0/_5$.
p. 808, line 48: delete hydrochloride.
p. 847, line 17: for Storax read Prepared Storax.
p. 860, line 61: for L read $L_\dagger$; line 64: for $L_\dagger$ read $L_\dagger/_5$; line 65: for L_0 read $L_0/_5$.
p. 873. line 61: before Tetanus insert $L_0/_5$ Dose. . . .
p. 874: delete line 3; after line 4 insert : Tetanus Test Toxin . . . *802.*
p. 890: after line 30 insert: Prepared Storax, Determination of Balsamic Acids in . *767.*
p. 902, delete line 50; after line 51 insert Storax, Prepared, Determination of Balsamic Acids in . *767.*

Copies of a printed list of the corrections may be obtained free of charge from the Commission, 44 Hallam Street, London, W.1.

1946 MEDICAL STATISTICS

PROGRESS in overtaking arrears in publication of the Registrar General's annual statistical reviews has been made in the issue recently of the medical tables for 1946. Deaths registered in England and Wales during 1946 totalled 492,090 (crude death-rate, 12.0 per 1,000 civilian population, the lowest since 1938—the last previous war-free year—when the figure was 11.6). The comparative mortality index (which allows for the changing sex and age structure of the population and expresses mortality in relation to that of 1938) was, however, only 0.881 in 1946 (against 0.893 in 1945). In fant mortality was the lowest recorded (42.85 per 1,000 related live births, against 46.00 in 1945 and 45.44—the previous lowest rate—in 1944). The death-rate of infants under four weeks was 24.46, against 24.76 in 1945 and 24.35 in 1944. Deaths from diphtheria reached a new record low figure of 455 civilians in 1946.

TRADE NOTES

Sole Distributors.—Rona Laboratories, Ltd., 159 Finchley Road, London, N.W.3, issue a reminder that they have been for over two years the sole distributors for Cefonin tablets.

Distribution Change. — Wesco House, Ltd., Bath Road, Bristol, 4, manufacturers of Mejenel, a form of kaolin poultice, have taken over the sole distribution of the product. Inquiries are invited.

Display Outer.—Moore Medicinal Products, Ltd., Aberdeen and London, illustrate on another page a display outer in which they are sending out Codasphen analgesic tablets supplied on bonus terms.

Now C.F.—Burroughs Wellcome & Co., 183 Euston Road, London, N.W.1, announce that they are now members of the Chemists Federation, and have had medical products issued by them under brand names added to the C.F. list.

Price Change. — Details are given on another page of new prices now in operation for Saville Classic eau de Cologne, for which advertising is shortly to be resumed by the manufacturers, Saville Perfumery, Ltd., Watford, Herts.

A Registered Trade Mark.—Parke, Davis & Co., Staines Road, Hounslow, Middlesex, point out that Chloromycetin is a trade mark of the company, adopted to describe the antibiotic discovered in their laboratories and known under the generic name of chloramphenicol.

Now on Home Market.—Robert Shaw & Co., Ltd., Nottingham, illustrate on another page their Surefit 99 "setting" hairnet, now available on the home market. The net is supplied (a) in 3-doz. lots with head showcard or (b) each net in separate envelope.

Purchase-tax Credit Scheme.—Haetam, Ltd., 63 Corporation Street, Manchester, 4, invite chemists to write for details of a purchase-tax credit scheme to operate, if necessary, after Budget Day, 1949. A new price list is also available from the company.

Sulphonates from Petroleum. — An eight-page booklet just published by Petromor, Ltd., Jacey House, 16 Oxford Street, Manchester, 1, deals with surface-active agents, especially the Petromor series of oil-soluble sulphonates manufactured by the Manchester Oil Refinery, Ltd., and distributed by the company.

United Kingdom Visit. — Mr. H. Karnovsky, chairman and managing dir tor of South African Druggists, Ltd., be visiting the United Kingdom dur May. Communications may be addres to him c/o Scholefield, Goodman & Sc Ltd., 23 Lime Street, London, E.C.3, Barclays Bank, Ltd. (D.C. & O.), Cir Place, London Wall, London, E.C.2.

Display Pack and Bonus.—Johnson Johnson (Great Britain), Ltd., Slou Bucks, direct attention on another p to a new translucent pack in which natural bristle tooth-brushes are being sued. The packs are included in a play stand under a bonus offer, details which may be obtained from the compa A window-dressing service is available

Prices Reduced.—Radiol Co., 78 Up Richmond Road, London, S.W.15, nounce reductions in the wholesale pri of Radian, Radian-A, Radian-B, Rad ovals and Radian cream. Special counts are available to chemists dur the months of February and March per cent. on £5 orders, excluding purch tax, and an additional 5 per cent. for fortnight's display).

In Tubes for Dispensing. — Gla Laboratories, Ltd., Greenford, Middles announce that 1-oz. tubes of penicil ointment, B.P., Glaxo, for dispensing p

poses will be available from February in boxes of twelve tubes. The ident of the preparation, given in small ty on the tube, is readily covered by t chemist's own label at the time of d pensing. Penicillin ointment, B.P., Glax contains 500 units of penicillin calciu salt per gm.

'aris Perfumer in London.—In a recent iness trip to England M. Ferdinand joncquoy (administrator-director, general oint of the Parfumerie Sauzé, 35 Rue Boétie, Paris, VIIIe) had several dis- sions with the directors of Munro Vita- , Ltd., manufacturing chemists and per- ners, 6 St. Faith's Road, London, . 21, and visited the company's perfum- factory at West Norwood. Parfumerie uzé, established in France for about enty-five years, have works at Colombes, is. They manufacture Sevres, Prestige Paris and Grand Siécle perfumes. ssrs. Munro Vitarex expect to make a her announcement shortly.

Detachable Label Packs.—Evans Medi- Supplies, Ltd., Speke, Liverpool, 19, e introduced special dispensing packs three of their penicillin preparations e pharmacist need only remove the de- hable portion of the label and insert doctor's instructions on the plain label t remains). The preparations are peni- n lozenges (each 500-unit lozenge en- ed in a "cell" of moisture-proof gold , four lozenges to the strip, five strips the carton); penicillin ointment; and icillin eye oinment. Messrs. Evans an- nce that they are circularising 19,000 tors in the United Kingdom during ruary with a brochure on Hepovite, n sample attached. Copies are also ilable from the company on request a new and enlarged edition of a book- on Heparin physiological anticoagulant.

deal Home Exhibition.—Among exhi- ors at the Daily Mail Ideal Home Exhi- on, March 1-26, are ANZORA PERFU- RY CO., LTD. (hair preparations); AMY CKBURN'S CHRYZLA BEAUTY PREPARA- NS (beauty bar); T. F. BRISTOW & CO., . (shampoos and baby products); UNTY PERFUMERY CO., LTD. (shampoos,); ENDURA (ENGLAND), LTD. (cold wave fits); EVANOL, LTD. (hair dyes); MAX TOR HOLLYWOOD & LONDON (SALES), . (make-up preparations); FASSETT & INSON, LTD. (Tattoo cosmetics); GALA LONDON, LTD. (lipstick and nail var- n); GILLETTE INDUSTRIES, LTD., Toni sion (cold wave outfits); A. S. HINDS, . (honey and almond cream); JULES RES, LTD. (hair cream, etc.); JUNE R WAVER & CURLER CO., LTD. (hair vers); MACLEANS, LTD. (tooth-paste); NRY C. MINER, LTD. (make-up pro- ts); MURLIP MANUFACTURING CO., . (lipstick); PALMYRA MANUFACTURING , LTD. (flower perfumes); PAL PER- SONNA PRODUCTS, LTD. (razor blades); PEPSODENT, LTD. (cold wave outfits); RIMMEL DISTRIBUTORS, LTD. (toilet preparations); SHAVEX ZEE-KOL CO., LTD. (toilet preparations); SCHOLL MANUFACTURING CO., LTD. (foot preparations).

Proprietary Articles Trade Association

R. Demuth, Ltd. Skreen insect-repellent, 2-oz. (new size), 13s. 2d. doz., tax 33⅓ per cent., i.r.p. 2s.

Johnson & Johnson (Great Britain), Ltd., Johnson's baby cream, jar, 18s. doz., tax 33⅓ per cent., i.r.p. 2s. 9d.; tube, 8s. 10d. doz., tax 33⅓ per cent., i.r.p. 1s. 4½d.; lotion, 18s. doz., tax 33⅓ per cent., i.r.p. 2s. 9d.

Smith, Kline & French International Co. (Distributors, *Menley & James, Ltd.*), Dexedrine tablets, 5-mgm., 24's, 38s. doz., 4s. 2½d. (exempt from tax); Pragmatar ointment, 1-oz., collapsible tube, 27s. doz., tax 33⅓ per cent., i.r.p. 3s. 9d.

Alterations to List (Part 1).—*Evans Medical Supplies, Ltd.*, Kalsolac, now exempt from tax: 30's, 14s. doz., 1s. 9d.; 68's, 26s. doz., 3s. 3d.

Parke, Davis & Co. Articles now exempt from purchase tax: Dicalcium phosphate wafers with vitamin D, 36's, 22s. doz., 2s. 9d. Panteric tablets (C.C.T. 503), 25's, 22s. 8d. doz., 2s. 10d.; 100's, 72s. doz., 9s.

Southon Laboratories, Ltd., U.F.I. powder 96s. doz., tax 33⅓ per cent., i.r.p. 14s. 8d.

Parke, Davis & Co., Adrenaline gauze tape, sterilised, 10-yd., 42s. 8d., 5s. 4d. (exempt from tax); anterior pituitary extract ampoules, 6's, 58s., 7s. 3d. (exempt). Bile salts and pancreatin tablets (E.C.T. 477), 100's, 34s., tax 33⅓ per cent., i.r.p. 5s. 2½d.; 1,000's, 286s., tax 33⅓ per cent., i.r.p. 43s. 8½d.; cathartic compound improved pills (G.C.P. 160), 100's, 21s. 4d., tax 33⅓ per cent., i.r.p. 3s. 3½d.; 500's, 84s., tax 33⅓ per cent., i.r.p. 12s. 10d.; Ephedrine hydrochloride tablets, ½-gr., 25's, 14s., 1s. 9d.; 100's, 37s. 4d., 4s. 8d.; 1,000's, 324s., 40s. 6d. (exempt).

Reckitt & Sons, Ltd., Dettol obstetric cream, C, 13s. 10d. doz., tax 33⅓ per cent., i.r.p. 2s.; 36s. doz., tax 33⅓ per cent., i.r.p. 5s. Prices in Eire: 13s. 6d. doz., 1s. 6d.

Deletions from List (Part 1).—*Allcock Products, Ltd.*, Allcock's porous plasters. Dr. Brandreth's pills.

A PHARMACIST'S ANTHOLOGY

"WEAR black. You must look very respectable," he told Arabella unnecessarily. "And older too. No good chemist's wife looks under forty. We better have three children. A chemist who is a family man gets family custom. A whooping-cough mixture that cured my old own child ——"

From "The Dark Daughters," by Rhys Davies.

MEMBERS' NIGHT AT DURHAM

THREE members of the Durham County Branch of the Pharmaceutical Society gave short talks at a meeting of the branch on February 3.

MR. H. CRAVEN (a retail pharmacist) thought that issuing medicines in containers of suitable size and shape, and removing all old labels before putting on new ones, would greatly improve the appearance of the product without adding much to the cost. Many National (War) Formulary mixtures, he thought, needed special treatment to make them look palatable, and he showed filtered and unfiltered examples, made a week previously, in which there was a marked difference. Prompt payment of N.H.S. accounts would be ensured, he said, if chemists helped the pricing offices by sorting and endorsing their prescriptions correctly. Mr. Craven thought that neither wages offered to employee pharmacists (particularly at N.J.I.C. rates) nor the remuneration from N.H.S. dispensing was adequate.

MR. F. T. RICHARDSON (a chemist and optician) thought it would not be possible much longer to practise both prof sions simultaneously unless the servi of a competent, qualified assist could be retained. Payment for sig testing was good and was ma promptly, but supplies were difficult a payment for fitting was much delayed. thought that before long all testing a supplying would be done in health centr If he had to choose between pharma and optics, he would choose pharmacy.

MR. F. VICKERS (a manufacturer's presentative) described the difficulties fitting in calls to doctors, hospitals a pharmacies. He thought the best resu were obtained when separate represen tives visited doctors and pharmacists.

The discussion that followed centr mainly on remuneration under N.H.S., a the need for apprenticeship. In reply a question from the superintendent of t Durham Pricing Bureau, many memb gave examples to show that the remune tion received by employee pharmaci compared unfavourably with that receiv by opticians.

BRIGHTON AND HOVE DINNER

THE Brighton and Hove Branch of the Pharmaceutical Society and Brighton and Hove Association of Pharmacy held their annual dinner at Hove on February 9. Mr. H. B. Mackie, B.Pharm., Ph.C. (Association president and head of the pharmacy department, Brighton Technical College), was in the chair, and the 180 guests included the mayor and mayoress of Hove, the deputy-mayor and deputy-mayoress of Brighton, the mayor and mayoress of Lewes, and Mr. H. Clement Shaw (president of the Society) with Mrs. Shaw. The chairmen of the Worthing, Reigate and Redhill, Tunbridge Wells, and Eastbourne branches were also present.

Proposing "The Society," MR. DONALD HUDSON said that changes were now taking place in pharmacy, but change did not always mean progress. He asked the president, the Council and the teachers to examine carefully all new measures to verify that they did in fact represent progress and not merely change. Practising pharmacists would ask whether the changes would enable them to provide a better service to the public. Pharmacy today needed more and more highly trained men and women who would regard their craft as a satisfying, honourable profession. Students should be taught that the provisi of medicines to the sick was the mo honourable use to which their trainin could be put. Responding, MR. H. SHAW said it was probably too early judge the effect of the changes to whi Mr. Hudson had referred, but it w obvious that the pharmacist of today w being subjected to a greater degree of co trol than he liked. Mr. Shaw commend the efforts being made to modernise ar improve educational facilities. MR. J. HANBURY, proposing "The Brighton ar Hove Branch and Association," paid tr bute to the efforts of the local committ of the British Pharmaceutical Conferen held in Brighton in 1948, mentioning i particular the work of Messrs. Donal Hudson and Arch Wilson. MR. H. MACKIE responded. During the evenin £30 was raised for pharmaceutic charities

---

No Blame Attached.—It is quite wron to assert . . . that the chemists are makin huge profits out of the National Healt Service. It is true that they are doing mor business, and that means more income. Bu they can hardly be blamed for that.—*Nottingham Evening Post.*

PHARMACY IN SOUTH AMERICA

a meeting of the Manchester Pharmaitical Association on February 1, Mr. H. rtside, B.Sc., Ph.C., spoke on "Pharcy in South America." He first referred the precautions taken in air travel to event the transmission of diseases by man or insect infection from one contint to another (passengers had to receive ections, and the aircraft and its conts were sprayed to eliminate insects).

pid Development

Whilst the South Americans were, by ropean standards, relative newcomers in field of medicine and pharmacy, he d, the rate of development and general preciation of modern aids to health had en striking, especially during the last enty-five years. Most pharmaceutical cessing and packaging laboratories re of modern design and incorporated latest ideas. While the products were quently copyist in character, they exhied a high standard of pharmaceutical gance. Although conditions varied from country to country, prescribers tended to favour the "speciality" product, so that the retail pharmacy was called upon to stock a wide range of such preparations both of local and of American and European manufacture. A high proportion of the staff employed were general shop assistants with no academic training. It should not be assumed, said the speaker, that the medical profession in the South American countries was not fully informed about the latest developments in medicine. Doctors there would never accept any pharmaceutical product on the sole basis of a maker's claims; pharmaceutical products must be first-class in every respect to gain acceptance. Most specialities could be purchased over the retail counter, and self-medication was practised extensively.

In the cities there were fine hospitals providing every facility for the patients and the staff, and in the more progressive factories the canteen and welfare facilities were excellent, often including medical rooms, dental surgeries and crèches.

BIRMINGHAM ANALYST'S REPORT

E Birmingham city analyst's report for third quarter of 1948 states that a nple of bismuth lozenges (which should ntain 0.15 gm. each of bismuth and gnesium carbonates and 0.30 gm. calm carbonate) was found to contain 0.18 . and 0.37 gm. respectively per lozenge e proportions were approximately cort, but actual weights about 20 per cent. excess). A sample sold as boric acid wder consisted entirely of borax, and vendor suggested that a new assistant d wrongly labelled a packet of borax. e analyst comments that the label . Boracis" which seemed more like racic powder than "Acid. Boric. Pulv." y have misled the assistant. The label a sample of disinfecting fluid stated phenols and cresols content as 12-15 r cent. but the amount present was per cent. A further sample contained per cent. The vendor could not account the high percentage, but said his bulk ck had been bought from a firm whose infecting fluid was known to contain loroxylenols (not poisons within the aning of the Poisons and Pharmacy t), as well as phenols, and the excess of enols was therefore probably due to loroxylenols. A sample of Parrish's food ntained only 0.79 per cent. ferrous phosphate and 1.25 per cent. calcium phosphate, instead of 0.9 per cent. and 1.4 per cent. respectively. Some ferrous phosphate had been precipitated as the therapeutically inactive ferric salt. Two samples of rose-hip syrup contained respectively 162 and 144 mgm. ascorbic acid (vitamin C) per 100 mils although a statement on the label gave the content as 200 mgm. per 100 mils. The makers said they appreciated that the vitamin content would be reduced if the material were stored for any considerable period, but it was not visualised that the syrup would remain in the hands of the chemists for any length of time. The firm's view was that the label should be revised to read "This syrup is guaranteed to contain approximately 200 mgm. ascorbic acid in each 100 mils at the time of manufacture," and they proposed to take the matter up with the National Rose Hip Products Association with a view to having the label amended for the current season.

Import and Export Lists, 1949. — The Treasury and Customs and Excise have issued new Import and Export Lists for the current year. The lists are published by H.M. Stationery Office, Kingsway, London, W.C.2, price 2s. each.

JOHN BELL'S COLD CAPSULES

RELIABILITY and RECOMMENDATION are continuing to contribute to the increasing demand for this popular and effective Medicine.

★ ★ ★

New and Attractive SHOW CARDS available on request.

JOHN BELL, HILLS & LUCAS, LTD.
Oxford Wks., Worsley Bridge Rd., London, S.E.26

"The Wyrex 200"

RUBBER CUSHION HAIRBRUSH

NEW!! UNEXCELLED QUALITY
RETAIL PRICE 5/6 (inc. tax)

Ask your wholesaler or enquire

OAKFIELD & CO. AMERSHAM, BUCKS.

TRADE MARKS, BRANDS, DESIGNS

Registered in all Countries
Write for particulars
LIMITED COMPANIES REGISTERED
CATON & SON
Monument Station Buildings, London, E.C.4
Telephone: MANsion House 4443

AT YOUR SERVICE
OR
PROPRIETARY ARTICLES
PHARMACEUTICAL PREPS.
DRUGGISTS' SUNDRIES
DRESSINGS

N. & M. GOULD LTD.

Wholesale Chemists' and Druggists' Sundriesmen
62, 64, 66, STONEY LANE,
LONDON, E.C.3
BISHOPSGATE 7734, 5355 P.A.T.A.

BURROUGH'S 60 gallons or less in 6 months requires no Control Licence. **S.V.R**

James Burrough Ltd., 1 Cale Distillery, London, S.

TRAGACANTI

SPECIALISTS IN B.P. POWDI
SAMPLES AND PRICES ON REQUEST
FREUDENTHEIL, SMITH & CO., 16 Philpot La
LONDON, E.C.3
MANsion House 1924 & 6600. Estd. 1

Metaldehyd

BRITISH MA

SAFE SOLID FUEL
SLUG AND SNAIL KILL

IN PACKETS, 1/3, 2/4 5/6

Obtainable from
Chemists, Ironmongers and Seedsr
Sole Concessionaires for the U.K. Eire

H. R. NAPP LIMITED
3 & 4, Clements Inn London, W.

Toilet Perfume and Cosmetic

LABELS

Own Name or Stock
Write for Samples

WILLIAM SESSIONS LTD. EBOR PRESS, YOR

FENNINGS' P.A.T.A. OVER 80 YEA REPUTATION

PREPARATIONS

ADVERTISED EVERYWHERE. READY SAL
ALFRED FENNINGS, HORSHAM, SUSSE

INFORMATION WANTED

The Editor would appreciate informati about suppliers of the following items:

Absyne for the treatment of dipsomania
Healthway toilet paper

The
HEMIST AND DRUGGIST
RETAILER—WHOLESALER—MANUFACTURER
ESTABLISHED 1859
culates throughout the Pharmaceutical, cmical, Drug, Essential Oil, Perfumery, smetic, Toilet Preparation and allied ades and Industries in Great Britain, e, British Empire, and foreign countries
ficial organ of The Pharmaceutical ciety of Ireland, The Pharmaceutical ciety of Northern Ireland, The Chemists' d Druggists' Society of Ireland and of er Chemists' Societies in the Empire.
L. CLI FEBRUARY 19, 1949 No. 3600

hy Penalise Branded Remedies?

s have been at some pains to determine ether, after six months of operation of National Health Service, the sale in s country of branded medicines has clined, and if so, to what extent. The ef outlets for these home remedies for nor ailments, are, of course, the big instrial centres, and our inquiries were stly directed to these localities. The plies received ranged from "not noticeie" up to a maximum of "a fall of about per cent." The average drop in sales ring the past six months (compared with y 1948 to January 1949) is recorded at per cent., which might well be accounted by a winter which, so far, has brought th it no widespread seasonal epidemics. cording to our reports the average man averse to attending at his doctor's surcy when his complaint is one of the any minor and temporary ailments. The rking man in particular knows a visit to s doctor will incur loss of time and pay his work. He prefers, and quite naturally to call at his chemist's on the way to or m his work and obtain a remedy adeate and safe for his purpose. It is, we e advised, very much the same with the usewife; she certainly has not the time spend hours at a doctor's surgery in der to obtain a prescription for some nple home remedy for herself or her ildren. She buys it at a chemist's. It s been made evident to us that the very ge majority of the public are not prered to use their own time, or to take up that of hardly pressed medical practitioners by attendance at surgeries when their ailments are such that can be treated from the home medicine chest. It is, we submit, clear that the public has no intention of burdening the National Health Service with calls for the treatment of minor and temporary ailments, nor with the supply of simple medicaments.

When purchase tax was first introduced in 1940 all "drugs and medicines, manufactured or prepared" (except a modest list of products which were exempted because they were considered to be of "essential character and exceptional cost") were made liable to a tax of 16⅔ per cent. The rate of tax was increased to 33⅓ per cent. in 1947. Throughout, we have persisted in urging the principle that medicines of all kinds should be free of purchase tax. From time to time during the past eight years, following strong and persistent representations from all sections of the trade and industry, the scope of the tax has been gradually whittled down by the issue of various exemption orders.

Directed Against Trade Descriptions

Today, the tax on drugs and medicines is substantially restricted to "branded" or proprietary medicines sold to the public. Medicaments in the B.P., B.P.C., current N.(W.)F., Drug Tariff, and "any aproved N.H.S. formulary" (or mixtures of those medicaments) described as such and sold to the public unbranded, are now free of tax. If the identical products are "branded" with the manufacturers' trade marks, or if their "get-up" differs from the wording of the titles in the official monographs or formularies, they are, when sold to the public, liable to purchase tax at the rate of 33⅓ per cent. In many instances, the public would not understand the purpose of these medicines if the descriptions on the labels were restricted to the titles of the official monographs or formularies, but if they are labelled with explicit details as to their purpose they are, for that reason, liable to the tax. In a word, the tax is not now levied on the medicines themselves; it is directed against their trade descriptions and the details indicated on the labels.

We submit the following points in support of our appeal to the Chancellor of the Exchequer, when considering the subject of purchase tax in relation to the forthcoming Budget, to abolish the tax on all types of medicines and drugs which, so far, have not been exempted from liability.

1. Proprietary or branded medicines are, in the main, household remedies, and their continued general use by the public, despite the facility of free medicines under N.H.S., is economically sound and desirable in the national interest.
2. While there may be justification for retaining reasonable amounts of purchase tax on some classes of goods in order to give effect to the purpose of the tax—that of limiting expenditure—that purpose never did apply to medicines, which the public buy not because they have money to spend but because of real need, either on account of actual illness or to ward off ailments and thus maintain earning capacity.
3. The Minister of Health has stated that it is no part of the National Health Service to provide simple preparations which are not taken to cure a complaint so much as to sustain health.
4. The money spent by the public on home remedies has the very desirable effect of easing pressure on doctors' surgeries.
5. The continued use of home remedies has reduced absenteeism in the factories and elsewhere and has thus assisted in the country's production drive.

A Few Hours' Overtime

Rumours that certain Executive Councils had issued a request to Boots, Ltd., to keep open some of their branches until 10 p.m. each evening naturally conjured up a most unwelcome prospect in the minds of independent chemists who got to hear of them. The result has been a minor bombardment of this office from irate correspondents demanding to know why the Pharmaceutical Committees had apparently been side-stepped. That their letters do not appear in our Correspondence columns this week is because their apprehensions, though not without foundation, have in the meantime been rendered groundless by prompt action on the part of the National Pharmaceutical Union and Ministry of Health. The Union, in ascertaining what had led Messrs. Boots to keep open until 10 p.m. two branches in Nottingham and one in Ashford, Kent (possibly others) was assured by the Ministry that there had certainly been no official request to the company to do so. The decision to open the shops was taken entirely on the responsibility of the directors of the company. However, as an outcome of representations made by the Contractors' C mittee, the shops in question have reve to normal contract hours, and it is likely that chemist-contractors will any cause for alarm on that score in future.

Medicinal Needs of the Near E

The immensity of the task of suppl the medicines needed for treating tro and allied diseases in various parts of world was indicated at a conference ca by the World Health Organisation Cairo, recently, to discuss the health blems of Eastern Mediterranean Coun (see *C. & D.*, January 15, p. 67). Egypt, for example, 65 per cent. of population was reported by the Egyp Under-Secretary of State for Health to suffering from schistosomiasis; the disea so prevalent, in fact, as to interfere ously with food production. In the f against tuberculosis and venereal dis teams will be required to demonst the methods of administering BCG vac and penicillin on a large scale. Sa Arabia's health problems are similar Egypt's, while Turkey needs, also, s plies of penicillin, streptomycin and DI The delegate from Iraq said that mal affected as much as 80 per cent. of population in some areas of his coun while the incidence of schistosomia ankylostomiasis (a hook-worm disease), tuberculosis was almost equally hi

In Pakistan, the treatment of 25 r lion cases of malaria annually is com cated by the fact that there three types the disease are present, and a meas against one type is not necessarily eff tive against the other two. The ann death rate from tuberculosis in the coun is 120,000 to 200,000. 5-10 per cent. the population of Pakistan is infected w syphilis, while certain endemic diseas especially parasitic diseases such as lei maniasis, filariasis and ankylostomiasis, causing great concern. The supply drugs to certain European areas, some which were represented at the Conferen is being helped by the World Health C ganisation (see p. 228); streptomycin su plies, for example, being flown to nee countries.

PLANT HORMONES

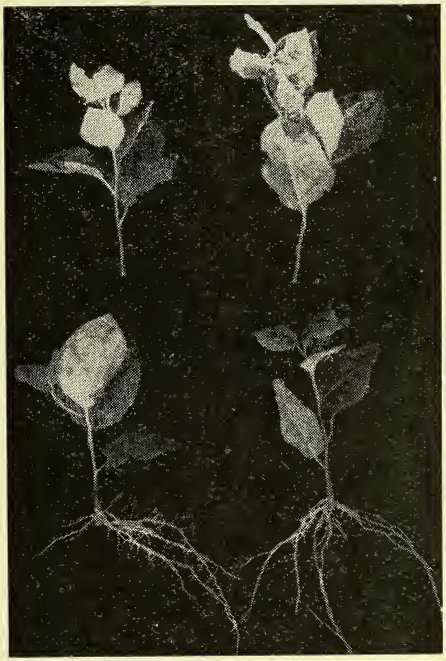
By E. S. J. Hatcher, Ph.D.

— Effects of synthetic plant rowtn-regulating substances.

will be recalled from the first article* at heteroauxin, initially thought to be oduced only by certain micro-organ- but known now to occur in the plant, was identified as indole-3- c acid, a compound that had already n synthesised. meant that it possible to ex- the effects of a growth-regulat- substance when ied externally to plant, and it ulated the che- to synthesise ed substances to explore the elation between cular structure d physiological ity. The coleop- test for auxin nplifies the ex- al application of t hormones, for, agar blocks, e substances can upplied unilater- to the decapi- l coleoptile, with renewal of cell- nsion growth curvature res- e. The growing t, in which n is likewise sported down- ls from the tip, ore complicated, an inhibiting in- ce is exerted on the lateral buds in eaf-axils. When, however, the apically inant terminal bud is removed, certain al buds grow out setting up sub- ry centres of development, unless lano- paste containing an active substance is ied to the apex. The synthetic agent replaces the natural hormone.

agation from Cuttings

or centuries the horticulturalist has agated his plants from cuttings, the nique depending on the power of the isolated piece of stem to regenerate an entirely new root system. Roots form mostly at the base of the cutting, and hormone action is involved, for external treatment of the cutting with a growth-regulating substance accelerates, and often initiates, the rooting process (see illustration). It was soon noticed that such treatment may delay the shedding of leaves on the cutting, implying a hormone mechanism of abscission-layer formation. Subsequently, experiments proved that premature abscission of leaf-stalk or fruit-stalk can be induced by removal of the leaf or fruit respectively. Treatment of the stalk with a suitable growth-regulating substance, however, prevents such abscission by replacing the natural supply of hormone. In deciduous trees the natural shedding of leaves is seasonal, taking place in autumn, while the mature fruit inevitably drops.



Specimens taken from an experiment to show the root stimulation effect of indole-3-butyric acid on quince softwood cuttings. Lower cuttings have been treated: those above are untreated controls.

Seedless Fruit

The natural development of the fruit is normally dependent on successful pollination and subsequent fertilisation of the ovules, leading to seed formation. If for some reason this fails, the blossom or young fruitlet soon drops off. Yet there are a number of naturally seedless fruits, the banana and navel orange providing examples of what the botanist terms parthenocarpy. In the genus Citrus there are both seeded and seedless varieties, and assays have established the seedless types to be richer in auxin, again suggesting hormone mechanisms. Synthetic growth-regulating substances have now been used to induce artificial parthenocarpy in, for example, tomatoes and melons.

Hormone Herbicide

Though artificially induced seedless fruit may have quite a normal external appearance, growth-regulating substances can produce abnormal formative effects (effects on organs which will develop after the application of the substance). The tomato is an excellent instance, for aerial sprays, or soil-watering with growth substance solutions, result in the development of malformed leaves suggesting virus attack. Furthermore, the development of entirely new organs can be induced in the responsive tomato, such as roots protruding into the air from the stems, blossom trusses in the leaf axils instead of vegetative shoots—even to the extent of transforming the main shoot apex in similar fashion. The extreme effect of growth-regulating substances is a complete functional disorganisation of the meristematic cells and eventual death (the death produced by the hormone herbicide). These examples alone indicate the tremendous potency of synthetic growth-regulating substances.

Since 1935 research on a vast scale has been conducted throughout the world. Hundreds of new compounds have been synthesised and "hormone" preparations are now being marketed for a variety of purposes, including root-promotion on cuttings, the inhibition of bud growth on potatoes in storage, reducing the pre-harvest drop of apples and pears (the abcission effect), inducing parthenocarpic tomatoes and other fruit, and weed-control by selective herbicidal action. The underlying principle of their action is that they interfere with, or modify, the inherent regulatory or hormonal mechanisms of growth and development of plants. But it is important to note that, compared with the known natural substances with their somewhat limited variety and their controlled physiological concentrations, the synthetic compounds can be applied in almost unlimited variety at any level of concentration.

To illustrate the great diversity of the synthetic substances the characteristics of six are summarised below (the molecular structure of the compounds being shown on the opposite page):—

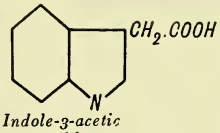
1. *Indole-3-acetic acid.* This auxin (naturally occurring and synthesised) is extremely active in the coleoptile test, has medium rooting power and inhibiting action, and some abscission influence.
2. *Indole-3-butyric acid.* This homologue has fair coleoptile activity, powerful rooting power, and weak parth carpic action.
3. *Naphthyl-1-acetic acid.* A membe another double-ring group, this stance has fair coleoptile activity, powerful rooting power, inhibi action, abscission influence, and a r herbicidal action.
4. *Naphthoxy-1-acetic acid.* A fur change in the double-ring structure fers good parthenocarpic action and mative power.
5. *2, 3, 5-Tri-iodo-benzoic acid.* flower forming tendencies of this s stance are dependent on the substitu of halogen atoms in the single ring; r that the carboxyl group is attac directly, not in a chain.
6. *2, 4-Dichloro-phenoxy-acetic acid.* nother substituted single-ring compou the most powerful of all the selected s stances, with strong parthenocarpic formative action, and potent herbici effect.

Dosage Rate

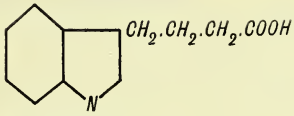
The dosage rate of growth-regulat substances depends upon the effect quired, the substance used, the form which it is used (acid, ester, salt, ami etc.), the method of application (soluti dust, spray, lanolin emulsion, aerosol, et and upon the plant itself. Plants vary their degree of response, while not all effects of any particular substance can obtained with any given plant. The sa substance will produce different effects different concentrations; for example, 0.01 parts per million (p.p.m.) in the c ture solution, indole-3-acetic acid w stimulate root elongation of wheat see lings, whereas at 1 p.p.m. it will inhi the growth of the same roots, and at 1 p.p.m. it will stimulate root initiation cuttings. The substances listed above b come progressively more powerful in th action, from the mildness of indole-3-ace acid to the violence of 2, 4-dichloro-phe oxy-acetic acid.

There is a degree of specificity, both the response of different plants and in t types of effect produced by any given su stance; on the other hand, however, m substances produce an overlapping varie of effects. Structurally, while a number molecular types are involved, certa resemblances among the synthetic su stances and the natural auxins are not difl cult to see. Thus the synthetic substanc mentioned are all carboxylic acids, crysta

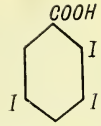
solids at ordin- temperatures ing below 200° heir molecules aining ring and n constituents a double bond. is noteworthy the two single molecules of phenoxy and oic acid deri- ves depend for activity on gen substitu- in the ring.



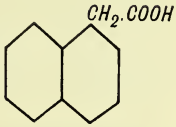
Indole-3-acetic acid (Heteroauxin)



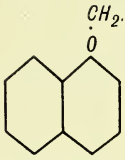
Indole-3-butyric acid



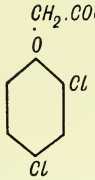
2, 3, 5, tri-iodo-benzoic acid



Naphthyl-1-acetic acid



Naphthoxy-1-acetic acid



2, 4-dichloro-phenoxy-acetic acid

luced by synthetic substances simulate, n in exaggerated manner, the mode action of the natural hormones. haps, therefore, the study of syn- ic products will lead to the identity other hormone groups, and it will be uctive to follow the course of the two plementary roads of research—biologi- investigation of the natural growth-regulating substances, and the study of the influence of synthetic substances. It is the latter which is being pursued with the greater vigour—indeed, the horticultural use of synthetic growth substances as we know them is a prelude only to a revolution transforming the art and practice of plant culture.

**See C. & D., January 22, p. 115.*

DYESTUFF CENTENARY CELEBRATION

British Dyewood Co., Ltd., 19 St. cent Place, Glasgow, C.1, which, with forebears, has been in operation for over entury, held in Glasgow recently a de- d celebration of its centenary. The ness was founded at Bury, Lancs, in 2, as Mucklow & Co., grinders of dye- ds and natural indigo, by Edward cklow, grandfather of the present man- g director (Mr. E. L. F. Mucklow). hin a short time a large range of ural dyestuffs was being produced a clientele established both in the ited Kingdom and with the American ntinent. During the 1880's the ive management passed to Edward Walter Mucklow, sons of the nder. In 1898, when the large tex- combines were being formed, the Brit- Dyewood & Chemical Co., Ltd., was ted as a public company in which were algamated E. D. Milnes & Bros., ry, John Dawson & Co., Alloa, W. R. tt & Co., Glasgow, and Mucklow & ., Bury. The British Dyewood & emical Co., Ltd., was in turn succeeded 1911 by the British Dyewood Co., Ltd. that date the British works had been ncentrated in Glasgow, and works had en opened in Jamaica to produce log-wood extract in the heart of the logwood country. Edward Mucklow, jun., continued as an active director until his death in 1920, when the present managing director joined the company. From 1911 to 1932 the company was under the chairmanship of Mr. W. R. Scott (founder of W. R. Scott & Co.) and on Mr. Scott's retirement in 1932 Mr. E. L. F. Mucklow took over direction of the company. Mr. K. Campbell (director responsible for technical development), who has completed half a century with the company, developed new processes to meet competition from sulphur blacks and other synthetic dyestuffs. Tannin extracts followed, and the firm tackled the first cargo of quebracho logs to land in this country from the Argentine. To avoid heavy freights, a factory was started in Jamaica to which Mr. Campbell was transferred in 1909. From the logwood extract he devised a process for the manufacture of hæmatein (used principally in textile and leather dyeing). The policy of siting factories near the raw material was continued by the establishment of a factory in the Argentine. To keep the home plant in production, the extraction of myrabolans, sumach and mimosa-wattle bark, was undertaken.

RECENT RESEARCH

Effects of DFP.—Freedman and Himwich ("Science," 1948.II.41) find that the injection of DFP does not increase significantly the length of life of rats and rabbits that have received lethal doses of phenobarbitone or morphine, nor increase the survival time of decapitated heads of newborn rats.

Fluorescence in Quinine Assay.—I. Bose and A. Bhattacharya ("Indian Journal of Pharmacy," 1948, July-September.66) state that the use of fluorescence of quinine as an indicator in volumetric assays of the alkaloid gives results that compare favourably in speed and accuracy with colorimetric and gravimetric methods. The authors recommend the method where the alkaloid is present in small amounts or in mixtures with other ingredients.

Kenya Melaleuca Oil.—Recent investigations on the oil of *Melaleuca bracteata* F.v.M. (N.O. *Myrtaceæ*) from Kenya, summarised in the Imperial Institute Bulletin (1948, XLVI.I.46) indicate that the oil is qualitatively similar to Australian ti-tree oils but differs quantitatively in that larger quantities of methyl eugenol are present. It is thought that the oil might be used commercially as a source of methyl eugenol for preparing eugenol derivatives, but is unlikely to have any considerable value for perfumery or flavouring.

Detoxification of Pyrogens.—A method for detoxifying pyrogens in water for injection, normal saline solution, and dextrose and sodium chloride injection solution, described by Taub and Hart ("Journal of the American Pharmaceutical Association, Scientific Edition," 1948.I.246) depends on boiling the preparation with a low concentration of hydrogen peroxide for one hour. In water or saline residual peroxide is removed by the presence during boiling of a small quantity of manganese dioxide; in dextrose solutions, removal is effected by purified activated charcoal. Final filtration through a filter candle yields a particle-free solution, and the authors report that the process appears to cause no significant change in the injections treated, except detoxification of the pyrogens.

Vitamin B_{12} from New Source.—The properties of a red crystalline compound isolated from a grisein-producing strain of *Streptomyces griseus* have been examined by Rickes and other American workers ("Science," 1948.108.635), and compared with the properties of the anti-anæ factor, isolated from liver, to which t had given the name vitamin B_{12} *C. & D.*, 1948.I.563, 599 and 728). actions to heat, refractive indices, spec graphic analyses, solubility tests, *Lactoba lus lactis* Dorner factors, animal pro factors for chick diet, and clinical resp ses in pernicious anæmia, were all c pared and the authors conclude that crystals from the *Streptomyces gris* source were identical with the vitamin isolated from liver.

Cytotoxic Compounds. — Haddow a others ("Nature," 1948.II.824) h investigated the types of aroma amine on which the NN-di-2-chloroet side chain could retain its previously served cytotoxic properties. Biological periments showed that aniline derivati *o-*, *m-* and *p*-toluidine, and *o-* and *p*-an dine, β-naphthylamine, and *p*-aminob zoic acid possess marked activity. A l activity was observed for the derivati α-naphthylamine, and *p*-aminobenzalc hyde. NN-di (2-chloroethyl)-*m*-toluidi and NN-di (2-chloroethyl)-β-naphthylami were perceptibly less toxic. Injection the compounds in arachis-oil solution in experimental animals produced an exte ded survival period, and, in about half the animals, inhibited development of t tumour graft. Treated tumours sometim increased in size for a few days before u dergoing regression.

Electrode Jellies. — Lahning, Bent and Serles ("Journal of the America Pharmaceutical Association," 1948.II.41 workers at the University of Illinois Co lege of Pharmacy, find that a corn-starc electrode jelly prepared as below is t most suitable and least expensive electrod jelly of all the preparations investigated:—

Glycerin	5
Starch	10
Sodium chloride	29
Water, distilled	100
Methyl *p*-hydroxybenzoate	0.2
Pumice	5

Make a smooth paste of the starch with 2 mils of cold water. Add the sodium chlo ride, the methyl *p*-hydroxybenzoate an the glycerin to the remainder of the water Mix the two solutions, add the pumice heat to boiling, stirring until a uniform paste is formed. Place in tubes while warm and store at room temperature.

PHARMACEUTICAL SOCIETY OF IRELAND

P. A. Brady (president) was in the ir at the monthly meeting of the Coun- of the Pharmaceutical Society of Ire- l held in Dublin on February 8. Also sent were Messrs. T. C. Scott (vice- sident), J. Gleeson (treasurer), G. C. Neill, P. C. Cahill, Senator F. Lough- n, H. P. Corrigan, C. J. Cremen, M. ver, P. Fullam, P. Brooke-Kelly, P. F. Grath, J. A. O'Rourke, T. B. O'Sulli- , C. D. O'Shea, A. A. Toher, F. X. agher and J. P. Kissane. Apologies for ence were received from Messrs. M. stello, R. Daly and N. A. McKane.

The reports of the Law, Schools, and ucation Committees were submitted and proved. The examiners' reports on the uary examination stated that of fifty didates who had presented themselves the Licence examination, three had sed; of forty-two candidates for the istants' examination, twenty-two had sed.

scussion on Examination Results

The Council received a report from a eting of the Education Committee held January 25 to consider the results of Licence examination. To ascertain the se of the large percentage of failures, d the report, the marks allotted to each didate were analysed and compared th marks obtained by candidates in ex- inations conducted during 1948. The ures revealed that a relatively small riation had occurred in chemistry and botany and materia medica. Analysis the subsections of pharmacy showed at the written paper had been respon- le for most of the failures. In the phar- acy examiners' report it was stated that ly one candidate out of fifty had been le to solve a question involving a mathe- atical calculation. A similar question had en set by the same examiner in 1948.

ction to Raise Standards

The Committee agreed that something ust be done to improve the standard of owledge displayed by candidates. It as suggested that a course in theoretical harmacy should be established at which ttendance would be optional, and at hich candidates who found difficulty in astering the subject would have an pportunity to receive instruction. The gistrar was instructed to invite the views the examiners on the January 1949 icence examination. It was hoped that the Education Committee would make recommendations to the Council about the Licence examination when the examiners' views had been ascertained.

Referred Back

The reports of all the examiners were then read to the meeting, and after a long and critical discussion in which all members of the Council took part, the matter was referred back for the Education Committee to make detailed recommendations in the light of the examiners' reports and the Council's views.

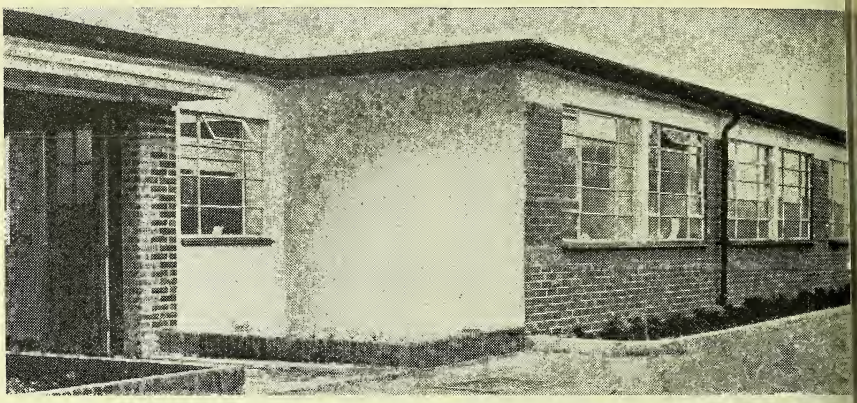
The Registrar (Mr. James G. Coleman) reported on the deaths of Messrs. Michael Joseph Timoney, M.P.S.I., and Howard Ernest Deakin, R.D. A motion on the order paper in the name of Mr. Gleeson dealing with a superannuation scheme for the registrar was unanimously adopted.

Messrs. John Mackle and Francis M. Smyth were elected members of the Society. The following were nominated for membership: Messrs. Patrick Daffy, Doneraile, co. Cork, Patrick Dillon, Carrick-on-Shannon, co. Leitrim, John P. Barton, Celbridge, co. Kildare, Patrick S. Lalor, Donnycarney, Dublin; Sister Mary Berchmans Roche, Medical Missionaries of Mary, Our Lady of Lourdes, Drogheda, co. Louth; and Mr. E. P. Kenny, Cork.

Resignation of Examiner

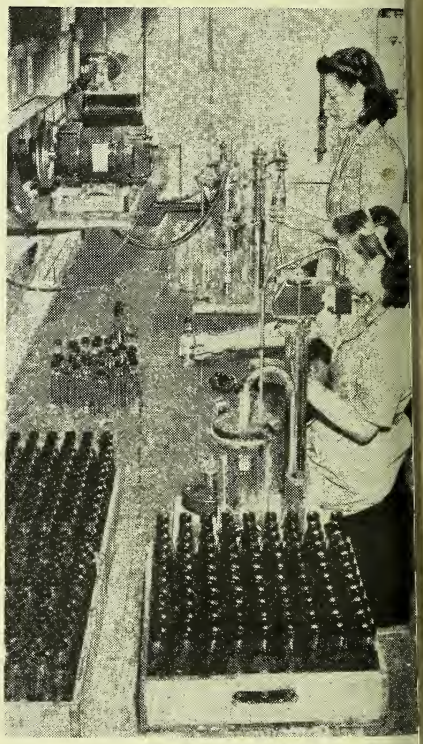
Mr. Thomas J. Burke, Raheny, Dublin, in a letter to the president, said that as he could no longer claim to be a chemist in business, and was now too old for active work, he wished to tender his resignation from the position of examiner to the Druggist's examination. The President said the Council could do nothing but accept Mr. Burke's resignation with regret.

An application from Mrs. Mary M. McConnell (née Lee), L.P.S.I., for change of name in the register on marriage was granted Preliminary registrations for the following were notified: Thomas Anthony Bourke, Hannah Hallinan, Nicholas Joseph Moore, Johanna O'Leary and Robert McLaughlin. The following changes of address were notified: Mr. Patrick Daffy, L.P.S.I., to the Pharmacy, Doneraile, co. Cork; Mr. Francis E. Holly, L.P.S.I., to Hillgrove, Monaghan; Mr. Patrick Dillon, L.P.S.I., to Bridge Street, Carrick-on-Shannon, co. Leitrim; Mrs. M. McConnell, L.P.S.I., to 83 South Circular Road, Dolphin's Barn, Dublin.



New Wing at a Feltham Warehouse

NEARLY ten years' accumulation of pressure on accommodation was relieved recently when E. Moss, Ltd., chemists, were able to occupy a new wing (part of which is illustrated above) at their Feltham, Middlesex, head office and warehouse. The occupation marked a further stage of expansion of a business founded in 1915, when Mr. Edgar Moss, M.P.S. (see p. 233) opened a pharmacy in High Street, Feltham. A first branch (at Hayes) was opened in 1921, and by 1934, when the business was converted into a limited company, there were eight branches. Centralised buying, at first on a small scale, grew in scope as the company's "empire" expanded, and in 1936 a central warehouse and head office was built at Feltham to supply and administer all the shops. By 1939 (when the number of branches had risen to fifteen) the central premises were already proving too small, but plans for extension had to be postponed until after the war. By the time the new wing was finally built and occupied there were twenty-three branches (twenty-one in West Middlesex, two in Surrey) to be supplied. The branches receive 90 per cent. of their supplies from the central warehouse. Each places an order—usually by telephone—three times a week, and the goods, accompanied by detailed packing notes, are delivered by van on the day of ordering. On Monday mornings a statement covering the whole of the previous week's deliveries is issued to each branch, and up-to-the-minute information about price changes and additions to warehouse



Packed drugs for sale at twenty-three branches ar put up at the central warehouse. Machines of th latest type allow up to 1,000 bottles to be fille and labelled daily by the girl operators.

ks is also circulated weekly. To ntain such a service (even during the it never broke down) the most mod- methods of accounting are used, and layout of the warehouse is planned to w rapid assembly of orders. New nches have been opened only when they n comfortably with the regular deliv- arrangements. Most of the stock ns are fitted with sectional steel shelv- for economical use of space. No ufacturing is undertaken at the ware-

t of a branch order being checked in the nts department. Up-to-date book-keeping hods are used, and a detailed packing note is out with each order.

ise, but, with the aid of modern bottle- ng machines, nearly all pre-packed gs sold by the branches are put up the Feltham headquarters.

rsonal Contact Maintained

Active control of the business is today in hands of Mr. Harold G. Moss, M.P.S. n of the founder), who is managing ector of the company and by Mr. K. Richardson, M.P.S. (a director and retary), with Mr. G. Harvey, M.P.S., executive director. Despite rapid ex- nsion the central machine has not been owed to become top-heavy. Form- ing and other time-consuming routine is pt to a minimum, and personal con- cts between directors and staff are main- ned by managers' meetings, visits to anches, and publication of a lively staff agazine edited by Mr. G. G. Hume,

A section of the sundries store in the new wing. Sectional steel shelving makes the best use of space. Fluorescent tubes provide the lighting.

M.P.S. (manager of one of the branches). The original motto of Mr. Edgar Moss, "good service and fair trading," continues to be the watchword of the business at all its twenty-three branches.

NEW BOOKS

Gadd's Synopsis of the British Pharmacopœia.—H. Wippell Gadd, Ph.C., barrister-at-law. $4\frac{1}{4}$ in. x $2\frac{5}{8}$ in. Pp. 250. 5s. Baillière, Tindall & Cox, 7 Henrietta Street, London, W.C.2. The fifteenth edition of the synopsis summarises in tables the characters and doses of chemicals, drugs and preparations of the British Pharmacopœia, 1948, and presents the information within the compass of a waistcoat-pocket reference book between cloth-board covers. The information is supplemented with a synopsis of the legislation governing transactions in poisons.

Tsetse Flies in British West Africa.—T. A. M. Nash, O.B.E., D.Sc. 13 in. x $8\frac{1}{2}$ in. Pp. 77. 30s. **Anchau Rural Development and Settlement Scheme.** Pp. 22. 3s. 6d. P. A. Buxton, C.M.G., F.R.S. **Trypanosomiasis in Eastern Africa, 1947.** Pp. 44. 3s. **Trypanosomiasis in British West Africa.** T. H. Davey, O.B.E., M.D., D.T.M. Pp. 15. 2s. H.M. Stationery Office, York House, Kingsway, London, W.C.2. These reports on combating tsetse flies and trypanosomiasis, written by specialists who have been working for the Colonial Office, deal particularly with the entomological and social problems involved.

SIMPLIFIED BOOK-KEEPING

By S. Howard Withey, F.Comm.A.

1. Preparing an Opening Statement of Affairs

MANY of the difficulties experienced by chemists in the control of their business affairs arise through failure to maintain suitable methods of book-keeping. It is therefore proposed to indicate in a short series of articles certain fundamental principles of accounting.

When a business is purchased as a going concern—and indeed at any time when a book-keeping system has to be started—it is necessary to ascertain the amount of the business capital as represented by the excess of trading assets over trading liabilities. To do this, a value must be placed on everything that has to be employed in running the business, including the shop premises, the dispensing department; the furniture, fixtures and fittings; the equipment; stocks of drugs, proprietaries, toilet goods, dressings and sundries, etc.; book debts and business goodwill. Like any other business expenditure, the cost of such assets has eventually to be charged against the profits realised. Unlike management and working expenses, however, the cost of the business assets is spread over a number of years, and this necessitates keeping separate asset accounts to ensure that an adequate sum is charged against each year's operations. It is not usual to charge an amount for premises against each year's profits, but the full cost of repairs to the property should be treated as a trading expense and debited to the periodical trading or profit-and-loss account. Fixtures and fittings usually depreciate in value each year; consequently the opening value of those assets should be shown in a separate account and a proportion or percentage written off year by year and charged against the profits of the business.

To ascertain the amount of business capital, at a given date, a statement of affairs, or balance sheet, is drawn up. The statement should show on the right-hand or credit (*Cr.*) side the value of the various assets employed (including the goodwill of the business which, although intangible, is as much an asset as the stocks in the shop) and on the left-hand or debit (*Dr.*) side should be shown the amounts of the various liabilities outstanding, including the sum owing to trade creditors and suppliers and any balance due to a bank. The difference between the total value of the assets and the total amount of the liabilities is the real capital of the business, as shown in a statement of affairs, thus:—

Liabilities	£	s	d	*Assets*	£	s	d
Bank overdraft				Cash in hand			
Due to trade suppliers				Cash at bank			
Loans				Book debts			
Accrued expenses ...				Stocks			
				Equipment			
Total Liabilities £				Business premises ...			
				Furniture, fixtures and fittings			
Balance, being capital				Goodwill			
£				Total assets £			

The amount of cash in hand should be entered on the debit side of a cash book with the date and the words "To Balance," corresponding with the cash in hand. The amount of cash at the bank should also be shown on the debit side of the cash book but should be entered in a separate "Bank" column ruled for recording all payments made to the bank, a "Cheque Drawn" column being provided on the credit side of the cash book for showing all payments made by the chemist or limited company in the form of cheques. The total of the book debts should agree with the list of outstanding ledger balances, each item shown in that list appearing as a debit balance in the sales or customers' ledger. The stocks on hand are grouped under definite headings and the invoiced value debited to separate stock accounts. On the debit side of the equipment account are recorded the value of the articles for use and not for sale (equipment, etc.). The value of the business premises is shown on the debit side of the business premises account, and separate accounts are opened for furniture, fixtures and fittings, and for goodwill. If there is a bank overdraft, the amount is entered in the "Bank" column.

CORRESPONDENCE

Scottish Levy for Expenses

SIR,—Your small paragraph on a levy on Scottish chemist-contractors under e National Health Service (*C. & D.*, bruary 12, p. 193) passes over a large tter in a little space. The 1 per cent. y on all payments made to chemist-ntractors will amount to £15,000 per num, taking the latest estimate of ex-nditure as given by the Secretary of ate. That would seem to be a very nerous amount for the expenses fund of e committees. The levy is made on all yments: Ingredients, containers and s. On many ingredients the maximum ofit is limited to 2s. 6d. (insulin) or to . (liver extracts, hormones, etc.), and it is t difficult to visualise the extreme pres-ption where the levy will exceed the aximum profit. Add to this the fact that e bulk of the amount due to the che-st is not paid for six or seven months e payment on account being a mere ken in such cases) and the economics of e position becomes crazy! When Scot-h chemists wake up to the ridiculous uation we need not be surprised if many them are "sorry they are out of stock d unable to obtain" prescriptions call-g for large amounts of insulin or liver jections, hormone tablets or injections. save ourselves from that situation and m unintended philanthropy, let us de-and that the levy shall be taken on fees ly. The alternative is to refuse to pay.

Oban. A. LAIRD PARKER.

Local Anæsthetics

SIR,—From time to time the hoary topic nomenclature of the local anæsthetics ises. A recent annotation in the Lancet" mentions a number of accidents e to confusion between the drugs ending "-caine," and recommends that the mes should be altered, that solutions ould be coloured according to a conven-on, and that nurses and anæsthetists, as ell as medical students, should be instruc-d in the relative toxicities of these drugs. hat is overlooked is that the suffix -caine" ought to be a safeguard, not a use of confusion: it should warn users at they are handling a dangerous sub-ance. I am sure that to use a name dicative of composition and abandon the ffix would cause worse confusion. either supreme erudition in relative toxi-ties nor all the colours of the rainbow will take the place of accurate reading of labels. That is something which the pharmacist has to learn very early in his apprenticeship and which cannot be too strongly urged upon all who handle drugs. To acquire the habit requires discipline. Equally important is clear, unequivocal labelling and we should be sure that every container is labelled. This done, there can be little excuse for the label not being accurately read. In the last resort the person who administers a drug to a patient is responsible and he should check the label as carefully as he checks his instruments, swabs or anæsthetic apparatus. The pharmacist can help to avoid accidents such as those mentioned by insistence on written orders for drugs and by making sure that all labels are clear.

London, S.W.1. H. S. GRAINGER.

EXAMINATION STATISTICS

THE following results of the examinations held by the Pharmaceutical Society in England and Wales and in Scotland in January 1949 were announced recently. For the Intermediate examination in England and Wales, fifty-two candidates entered; four were absent, twenty-five failed, twelve were referred, and eleven passed. Of sixty-five candidates who sat for a referred subject, thirty-four passed. In Scotland twenty-three candidates entered for the whole examination; twelve failed, seven were referred, and four passed. Of twenty entrants who sat for a referred subject, ten passed. For the Chemist and Druggist Qualifying examination in England and Wales there were fifty-seven entrants. Five were absent, twenty-seven failed, eleven were referred and fourteen passed. Of twenty-eight entrants for a referred subject nineteen passed. In Scotland there were twenty-six entrants; two were absent, fifteen failed, two were referred and seven passed. Eleven of twelve candidates in a referred subject passed. For the Pharmaceutical Chemist Qualifying examination in England and Wales, sixteen candidates entered; thirteen failed, one was referred, and two passed. Seven out of eleven passed in a referred subject, and eighteen out of twenty-two passed in forensic pharmacy only (under regulation 28). In Scotland there were fifteen entrants; two were absent, five failed, two were referred and six passed. Thirteen passed in a referred subject. 1,651 pharmacies had been approved for training since July 1, 1945.

TRADE REPORT

Spot quotations for pharmaceutical chemicals represent the prices for wholesale quanti ties of standard quality. Prices of crude drugs and essential oils vary as to brand or grade

28 Essex Street, W.C.2, Feb. 16

TRADE in PHARMACEUTICAL and FINE CHEMICALS continues on a good scale although inquiry has been narrower in scope during the past week. Home trade prices are unchanged. It is reported that output of ICHTHAMMOL of British manufacture has improved to such an extent that after supplying the domestic demand a surplus is now available for export. It is understood that as a result of the improvement licences are not at present being granted for the importation of foreign-produced material. In the BOTANICAL DRUGS markets. ERGOT is firmer on the spot and a marked increase is noted in forward prices. A brisk spot demand for GENTIAN has been received; at present dealers are quoting 60s. per cwt. for the root but business has been done at lower prices down to 55s. per cwt. The Directorate of Medical Supplies are now prepared to consider applications for import licences for Matto Grosso IPECACUANHA from Brazil for general manufacturing purposes. Hitherto licences have been granted for Matto Grosso ipecacuanha to be used solely for the production of emetine. Supplies of sound Chinese common round RHUBARB on spot, of good quality, have been difficult to procure, but it is thought that material now landing will relieve the shortage. Sumatra BENZOIN is dearer at origin; forward prices for No. 1 almondy block are at £13 10s. per cwt., c.i.f., 20s. per cwt. more than the recent price for this grade. OLIBANUM is also dearer in the primary market and prices are reported to be appreciably more than those of recent c.i.f. business. Supplies of COCHINEAL black now coming forward are offered at 4s. 9d. per lb. African GINGER is a firmer market. The forward position of Brazil MENTHOL is still very obscure. March-April shipment is reported to be offered at 35s. 6d., c.i.f. Meanwhile, menthol on the spot is quoted at 41s. 6d. per lb., duty paid, but it is understood that business has been done at under this price.

A small business has been done in ESSENTIAL OILS at former values. Quotations for the majority of oils are unchanged. Few offers of Java CITRONELLA are being made from origin and prices are high. West Indian LIME also is dearer for shipment.

U.S. Drug and Chemical Report

New York, February 11

THE tendency among consumers to limit purchases to immediate needs is now in evidence in the PHARMACEUTICAL section of the chemicals market, and a generally quiet situation prevailed last week, although prices generally remained firm. An increase is announced in SULPHANILAMID and SULPHATHIAZOLE prices, a 25 cents pe lb. advance in both products bringing th cost of the former to $1.30 per lb. and th latter to $3.50 per lb. CINCHOPHEN wa also advanced during the week by 50 cent per lb., and the revised f.o.b. cost fo standard material became $4.50 per lb. i 100-lb. lots; heavy-density material was ar vanced to $4.70 per lb. for that quantity It is thought that manufacturers may cu PENICILLIN price schedules in the nea future—various discounts have been offere for some time now. MENTHOL displays rather confused picture, but quotation were reduced during the week by 25 cent per lb. (to $8.75-$9.00 per lb.) and it wa reported that a further 10 cents cut migh be available in the event of large orders the reduction was attributed to the arriva of fresh lots from Brazil. While it i pointed out that the situation in the Fa East indicates smaller supplies, muc lower shipping prices are reported fro Brazil. MERCURY is in good supply a prices well below replacement costs de manded for Spanish or Italian metal Japanese material now afloat was pur chased at $61 per flask, excluding duty.

Very little domestic inquiry is reporte from the BOTANICAL DRUGS market an foreign demand for such goods as SENEG and HYDRASTIS roots is reported to be ver limited. CARNAUBA WAX, No. 1 yello grade, has been reduced five cents per lb to $1.03 on the inside. The minimum ex port price fixed in Brazil is $1.09. Despit a somewhat increased demand for ESSEN TIAL OILS prices continued downwar last week. Domestic CITRUS OILS wer cheaper as were supplies imported fron Brazil and the West Indies The harden ing trend in Italian BERGAMOT, noted o late, has been reflected in a 30 cents pe lb. increase in spot prices; the oil no costs $4.00 to $4.50 per lb. SWEET ALMON is displaying considerable strength and five cents per lb. advance to 85 cents wa reported during the week.

Pharmaceutical Chemicals

AMMONIUM CHLORIDE, B.P. — Steady Makers quote 1-cwt. lots at 9½d. per lb.

ATROPINE.—Steady. Makers' rates pe oz. are: ALKALOID, 41s. 3d.; 4 oz., 40s. 9d. 25 oz., 40s. 3d. SULPHATE, 32s. 9d.; 4 oz. 32s. 3d.; 25 oz., 31s. 9d.

CAFFEINE.—Steady. Makers' rates pe lb. for 1-cwt. lots are: ALKALOID, anhydrous, 35s. 6d., and B.P., 33s. 6d.; CITRATE 20s.; SODIUM BENZOATE, B.P., 22s. 6d. SODIUM SALICYLATE, B.P.C., 23s. 3d. SODIUM IODIDE, 26s. 56-lb. lots are 1s. pe lb. more than above rates; 28 lb., 1s. mor than for 56 lb.

CALAMINE.—Makers are asking 1s. 9d. er lb. for quantities of 1 cwt.

CHOLESTEROL.—Prices are from 125s. er kilo for semi-refined and from 137s. 6d. pwards for recrystallised material.

CODEINE.—Steady. Current prices per z., in the home market, are: ALKALOID, oz., 51s. 9d.; 1 oz., 49s. 3d.; 2 oz., 7s. 9d.; 3 oz., 47s.; 4 oz., 46s. 9d. HYDRO-HLORIDE, ½ oz., 46s. 4d.; 1 oz., 44s.; 2 oz., 2s. 6l.; 3 oz., 41s. 9d.; 4 oz., 41s. 6d.; HOSPHATE, ½ oz., 40s. 9d.; 1 oz., 38s. 3d.; oz., 36s. 9d.; 3 oz., 36s.; 4 oz., 35s. 9d. YDROBROMIDE and IODIDE as ALKALOID; ULPHATE as HYDROCHLORIDE.

GLYCEROPHOSPHATES. — Makers' list ices per lb. are as follows: CALCIUM OLUBLE, 10s. 6d.; IRON SCALE, 11s. 9d.; CID, 20 per cent. (B.P.C.), 8s. 3d.; AGNESIUM (INSOLUBLE), 10s.; MAGNESIUM OLUBLE), 19s. 3d.; MANGANESE, 24s. 3d.; OTASSIUM, 50 per cent., 5s. 11d.; 75 per nt., 7s. 9d.; SODIUM, 10s. 9d.; 50 per nt., 4s. 7d.; 75 per cent., 5s. 8d. Quanti-es of 7 lb., 6d. per lb. less than above ites; other quantities in proportion.

HYDROCYANIC ACID.—B.P.C. (Scheele's) quoted at 1s. 5½d. per lb. and B.P. at . 1½d. per lb.

HYOSCINE HYDROBROMIDE. — Makers' ices are from 115s. to 125s. per oz., cording to quantity.

HYPOPHOSPHOROUS ACID.—In winchesters ices are around 6s. 2d. per lb.

IODINE PREPARATIONS.—Steady. Makers' ices per lb. for the home trade are as llows: POTASSIUM IODIDE, B.P.—1 cwt., s. 1d. SODIUM IODIDE, B.P.—28 lb., s. 1d. IODOFORM, B.P.—28 lb., powder, s. 7d.; crystals, 17s. 7d. RESUBLIMED DINE, B.P.—1 cwt., 12s. 8d. Orders of lb. and upwards may be made up with sorted preparations at schedule rates. ackages are extra. Contracts may be oked for 1 cwt. and over of assorted pre-rations for delivery as required within ree months with rise and fall clauses. ecial rebate of 4d. per lb. allowed on antities of 5 cwt. in one delivery, or on ntract for delivery within three months.

MAGNESIUM TRISILICATE (B.P.).—Prices er lb.) in the home trade are unchanged. ntainers in brackets. 28 lb. to 1 cwt., . 4d. (1-lb.); 4s. 3d. (2-lb.); 4s. 2½d. -lb.); 4s. 1½d. (7-lb.); 4s. 1d. (14-lb.): . (28-lb.) per lb. Larger quantities range m 3s. 2d. to 3s. 4d. per lb. in 28-lb. ckages, carriage paid.

MANDELIC ACID.—Steady. Current prices e: 1 lb., 22s. per lb.; 4 lb., 20s. 3d.; lb. 18s. 6d.; 14 lb., 16s. 9d.; 28 lb., 15s.

NICOTINIC ACID.—Quotations are about s. to 42s. per lb., as to quantity.

PANCREATIN.—Price of B.P. material is m 13s. 6d. to 16s. 6d. per lb., according quantity.

PEPTONE. — Importers' quotations are m 13s. to 15s. per lb., as to quantity.

PHELLANDRENE.—Refined is quoted at 1s. 5d. per lb. in carboys, and from 1s. 6½d. to 2s. 1d. per lb. in winchesters.

PIPERAZINE. — Current prices from 4s. 6d. per oz., according to quantity.

PROCAINE HYDROCHLORIDE.—Recently increased prices range from 50s. to 53s. per lb., as to quantity.

ROCHELLE SALT.—Make is moving steadily at the new lower prices. Rates per cwt. for powder or granular salt are: 5 cwt., 130s.; 1 cwt., 132s. 6d. Crystal is 2s. 6l. per cwt. more than the foregoing prices. SEIDLITZ POWDER, ordinary, is now 103s. 9d. per cwt.; extra strong, 111s. 6d.; double strength, 116s.

SODIUM ALGINATE.—Current rates per lb. are as follows: 7-lb. lots, 7s. 3d.; 28-lb., 7s.; 1-cwt.. 6s. 6d.

VALERIANATES.—Makers' rates per lb. are as follows:—AMMONIUM, 14 lb., 37s. 6d.; 7 lb., 38s.; 1 lb., 39s. per lb. AMYL, 14 lb., 23s. 6d.; 7 lb., 25s.; 1 lb., 26s. per lb. CAFFEINE, 14 lb., 105s.; 7 lb., 107s. 6d.; 1 lb., 110s. per lb. CALCIUM, 14 lb., 33s.; 7 lb., 34s.; 1 lb., 34s. 6d. per lb. ETHYL, 14 lb., 32s. 6d.; 7 lb., 33s.; 1 lb., 34s. per lb. IRON, 14 lb., 53s.; 7 lb., 54s. 6d.; 1 lb., 55s. 6d. per lb. MENTHYL, 14 lb., 57s. 6d.; 7 lb., 58s.; 1 lb., 59s. per lb. METHYL, 14 lb., 32s. 6d.; 7 lb., 33s.; 1 lb., 34s. per lb. QUININE (B.P.C.), 100 oz., 12s.; 50 oz., 12s. 6d.; 20 oz., 13s. 6l. per oz. ZINC, 14 lb., 53s.; 7 lb., 54s. 6d.

Methylated Spirits

METHYLATORS rates per bulk gall. are as follows:—

Industrial methylated spirit: Strength 61 o.p., 500 gall. and over, in one delivery, 4s. 6d.; 100 gall. and under 500, 4s. 8d.; 30 gall. and under 100, 4s. 10l.; 10 gall. and under 30, 5s. Strength 64 o.p., 1d. per gall. more; 66 o.p., 2d. more; 68 o.p., 3d. more; 74 o.p., 5d. more. For industrial methylated spirit of standard toilet quality, the prices are 2d. per gall. more than the rates specified above.

Pyridinised industrial methylated spirit: 500 gall. and upwards in one delivery, strength 61 o.p., 4s. 8d.; 100 gall. and under 500, 4s. 10d.; 30 gall. and under 100, 5s.; 10 gall. and under 30, 5s. 2d. Strength 64 o.p., 1d per gall. more. For methylated resin finish of standard quality, prices are 2d. above, and for methylated shellac finish of standard quality, 4d. above those of pyridinised spirit.

Mineralised methylated spirit: 100 gall. and upwards in one delivery, strength 61 o.p., 5s.; 30 gall. and under 100 gall., 5s. 2d.; 10 gall. and under 30, 5s. 4d.; strength 64 o.p., 1d. per gall. more.

Terms are delivery to buyer's premises; charges are made for packages but are credited in full when returned; the seller pays carriage on return of empty packages; cash in one month less 2½ per cent. discount.

Crude Drugs

AGAR.—Steady. Kobé No. 1 strip on spot is quoted at 16s. 6d. to 17s. per lb.; other grades of Japanese strip are offered at from 14s. 6d. per lb. duty paid. South African powder, in tins in cases, quoted at 20s. per lb., spot.

ALOES.—Prime Cape on spot is offered at 110s. to 115s. per cwt.; shipment, 98s. to 100s. per cwt., c.i.f. Curaçao is offere l at from 185s. to 210s. per cwt., as to quality. Socotrine, 160s. to 180s. per cwt., spot.

ASAFETIDA.—Persian block on spot is steady at from £14 10s. to £24 per cwt., according to grade.

BALSAMS.—*Canada* is offering at 20s. 6d. per lb., on spot. Pará *Copaiba* (solub'e), 4s. 9d. to 5s. per lb., spot. San Salvador, *Peru*, 4s. 11d. per lb., duty paid. *Tolu* is an easier market; spot offers are at 12s. per lb.; shipment, 10s. 3d., c.i.f.

BLACK COHOSH ROOT.—Prices, ex wharf, are in the region of 1s. 10d. per lb.

CAMPHOR.—Chinese tablets are offered at from 7s. 6d. (½-oz.) to 8s. 6d. (¼-oz.): refined natural pow ler (B.P.), 6s. 9d.; B.B. grade, 6s. 3d.; slabs (2½-lb.), 7s. 3d.; crude powder, 6s. per lb., all spot London, duty paid. English synthetic powder, B.P., is quoted at 5s. per lb. and technical at 3s. 9d. per lb. in 100-lb. lots.

CHILLIES.—Quiet. Sellers of Mombasa on spot at 125s. per cwt.; Zanzibar, 135s.; Japanese-type, 160s.

CLOVES.—Zanzibar, spot, quoted at 1s. 1d. per lb.; shipment, 1s. 1d., c.i.f. Madagascar, spot, in bond, 10½d.; shipment, 10d., c.i.f. Penang, spot, 3s. per lb.

COD-LIVER OIL.—The market is ten ling easier. B.P. oil is quoted at about 12s. per gall., delivered in the United Kingdom.

ERGOT.—Portuguese sound material on spot is offered at 5s. 3d. to 5s. 6d. per lb.; shipment quotations are at 5s. 6d., c.i.f.

GALLS.—Steady. Persian blues quoted on spot at 260s. per cwt.

GAMBOGE.—Siam pipe on the spot is offered at £50 per cwt., duty paid.

GENTIAN.—French natural on the spot is offered at 60s. per cwt.; sliced root, 75s. per cwt. Lower prices are reported quoted at origin.

GINGER.—African on spot is quote l at 90s. per cwt.; new-crop, March-April shipment, 77s. 6d. per cwt., c.i.f. Jamaican No. 1 quoted at 135s.; No. 2, 127s. 6d.: No. 3, 122s. 6d. per cwt., spot.

GUM ACACIA.—Kordofan cleaned sorts on the spot now offered at 62s. per cwt.; shipment, 55s., c.i.f. Bleached No. 1, 117s. 6d., spot; shipment, 90s., c.i.f. Talha on spot, 44s. per cwt.; forward, 38s., c.i.f.

IPECACUANHA. — Spot quotations for Nicaraguan or Costa Rican are from 23s. per lb.; shipment, February-March, 21s., c.i.f.; March-April, 20s. 6d., c.i.f.

IRISH MOSS.—Steady. French se bleached, 120s. per cwt.; No. 1, 105s.; 2, 95s. per cwt.

JALAP.—Vera Cruz, spot, 2s. 6d. to per lb. as to test (10 to 15 per cent. res Brazi'ian (13 per cent.), 1s. 6d.

KAMALA.—Quoted at 2s. 3d. per lb., sp

KARAYA.—Steady. No. 1 gum on spo quoted at 215s.; to arrive, 205s., c.i.f. 2, 180s. per cwt., spot.

KOLA NUTS. — African quarters offered at about 6d. per lb.; halves fr 2d. to 2½d. Jamaican washed halves quoted at 3d. per lb.

LEMON PEEL.—Supplies are available spot at 9d. per lb., duty paid.

LEPTANDRA ROOT. — Spot supplies offering at 3s. 3d. per lb.

LIQUORICE.—Anatolian natural root spot is offered at from 47s. to 47s. 6d. cwt.; Syrian, 40s.; Russian, 45s. 6d. 46s. Italian block on spot is obtainable 175s. per cwt.; Ita'ian stick is quoted 295s. to 560s. per cwt., as to grade. Turk block is offered at 223s. to 230s. per cw Turkish stick is available at 3s. per American block is now offering at 160s. 200s. per cwt., as to seller.

MACE.—West Indian blade on the s is quoted at 6s. 8d.; pickings, 4s. 6d. to per lb., according to quality.

MENTHOL.—Brazil on spot is offered 41s. 6d. per lb., duty paid; in bond, 40s.

MERCURY.—Ex warehouse, £18 10s. flask; shipment, £17 17s. 6d., c.i.f. U.K

MYRRH.—Aden sorts on the spot offered at £12 per cwt.; siftings, £6 10s. £7 per cwt.

NUTMEG.—Steady. West Indian 80's the spot, 3s.; sound unassorted, 2s. 8 wormy and broken, 1s. 6d. per lb.

NUX VOMICA.—Cochin on spot is offe at 36s. 6d. to 38s. 6d.; Mangalore 34s. 6d. to 36s.; Madras, 34s. to 36s. cwt.

OLIBANUM.—Steady. Fair drop is offe at 150s., peas at 190s., fair garblings, 12 and siftings at 80s. per cwt., spot. primary market is firmer.

ORANGE PEEL.—Spanish quarters, 1s. to 1s. 5d., spot; sweet ribbon, 1s. Seville bitter ribbon, 1s. 1d.; thin- Tripoli, 1s. 2d. per lb.

PAPAIN.—Quiet. East African No. white, on the spot, 17s. 6d. per lb.; Cey brown, 12s. per lb.

PIMENTO.—Quiet. Quotations are changed at from 1s. 2d. per lb., spot; arrive, 119s. per cwt., c.i.f.

PODOPHYLLUM.—Steady. American (*p tatum*), spot London, 290s. per cwt. Indi (*emodi*) from 305s. to 315s., spot; forwa 290s. to 300s. per cwt., c.i.f.

PSYLLIUM SEED.—French black is quot at 2s. per lb., duty paid; Indi (ispaghula), 120s. per cwt., spot.

UASSIA.—Spot quotations for chips are to 36s. per cwt., as to holder.

UILLAIA.—Natural bark is in short supon spot; prices are from 92s. 6d. to per cwt.; cut bark, 125s. per cwt.; hed, 120s.

UINCE SEED.—Steady. Cape on spot is ed from 3s. 9d. per lb.

HATANY.—Quiet. Spot quotations are bout 9d. per lb.

HUBARB. — Supplies of good-quality d Chinese root are low and prices in the region of 5s. per lb., spot; ny material, 2s. 6d. to 3s. per lb.

ARSAPARILLA. — Jamaica native red, the spot, is offered at 2s. per lb. maica" grey, in hanks, 4s. per lb.

EEDS.—Prices of ANISE are unchanged. rus is 1s. 4½d. per lb., and Turkish, 4d. per lb., duty paid, spot London. AWAY.—Sellers of Dutch at 122s. 6d. cwt., duty paid, spot London. CELERY. dian is dull on spot. Sellers are quot- 1s. per lb., spot London or Liverpool. IANDER.—Very little interest shown. occo is offered at 36s. 6d. per cwt., duty in London, and Argentine at 36s. per , duty paid, spot London or Liverpool. IIN.—In poor demand. Cyprus is ted at 185s. per cwt., spot London, and an at 180s. per cwt., spot London or erpool. DILL.—Indian remains firm at 6d. per cwt., spot London or Liverpool. NEL.—Sellers of Indian now asking 6d. per cwt., spot London or Liverpool. UGREEK.—Market continues firm. In- is 55s. per cwt., spot London or Liver- l; Morocco, offered at 54s. per cwt., paid, in London or Liverpool.

ENEGA.—A weak market. Offers of spot plies are made at 7s. 6d. per lb.

HELLAC.—Price of F.O.T.N., pure, is 330s. and F.O. Standard 1, 350s.; orange is 370s. to 410s. per cwt., all London warehouse.

TRAMONIUM.—Quiet. Indian on spot ffered at 55s. per cwt.

TROPHANTHUS.—Steady. *Kombé*, 100 per t., spot, is quoted at 11s. 6d. per lb.

TYRAX.—Spot supplies are available at n 6s. 3d. to 6s. 6d. per lb., duty paid.

TONKA BEANS.—Steady. Spot quotations at 5s. 9d. per lb. for Pará blacks, and for Trinidad frosted.

TRAGACANTH.—Steady. Selected white, per cwt.: other white grades, from £55 £85; pale leaf, £35 to £40; amber, £20 £27; red, £14; hoggy, about £10 10s.

TURMERIC.—Madras finger is quoted at s. per cwt., spot; new-crop, March- ril, 90s., c.i.f.; April-May, 87s. 6d.

UVÆ URSI.—Current prices are about . per cwt., spot.

VALERIAN. — Belgian root on spot is red at about 130s. per cwt.; cut, 165s.

WAXES.—Dar-es-Salaam BEES' on spot is quoted at 330s. per cwt.; shipment, 325s., c.i.f.; Benguela, in bond, 310s.; shipment, 290s., c.i.f. CANDELILLA.—Spot offers are at 407s. 6d. per cwt.; February-March delivery, 390s. CARNAUBA.—Easier. Prime yellow, 685s. per cwt.; shipment, 605s., c.i.f. Fatty grey, spot, 455s. per cwt.; shipment, 405s., c.i.f., buyer's licence. Chalky grey, spot, 435s. per cwt.; shipment, 380s., c.i.f. MONTAN.—Reibeck, spot, 245s. per cwt.; 225s., February-March delivery. Czechoslovak crude, spot, 230s. per cwt.; February-March delivery, 210s. OURICURI.—1 per cent., 410s. per cwt., c.i.f.; 2.8 per cent., 440s., spot, and forward, 400s., c.i.f.; 6 per cent., 420s., spot, and forward, 390s., c.i.f. 9 per cent., 405s. per cwt., spot. SPERMACETI.—Spot offers are at 2s. 8d. per lb.

Essential and Expressed Oils

ANISE.—Steady. Chinese star, in drums, quoted at 5s. per lb., with about 5s. 6d. per lb. for tins in cases; near afloat, 4s. 9d., c.i.f.; for shipment, 4s. 8d., c.i.f.

CADE.—Spanish oil, B.P., on spot is offered at from 3s. to 3s. 3d. per lb. upwards, as to quantity.

CAJUPUT.—B.P. is offering at from 23s. to 25s. per lb., spot.

CAMPHOR.—White oil on spot is quoted at from 2s. 3d. to 2s. 4d. per lb., duty paid; brown, shipment, 2s. 6d., c.i.f.

CINNAMON.—Steady. B.P. oil, 60s. to 70s. per lb. Bark oil is offered at 12s. per oz. Leaf oil, on the spot, 7s. 9d. to 9s. per lb., as to quantity.

CITRONELLA.—Ceylon is quoted at from 3s. 11d. to 4s. per lb., spot; forward, 3s. 5d., c.i.f. Java, scarce on spot, is quoted at 8s. 9d. per lb.; from Holland, 7s. 9d. per lb., c.i.f.

DILL.—English-distilled is scarce and prices are from 65s. to 70s. per lb.

EUCALYPTUS.—Spot quotations for 70-75 per cent. (B.P.) are from 3s. per lb. for drums, and up to 3s. 6d. for smaller quantities; shipment, 2s. 9d., c.i.f.

FENNEL.—Sweet oil is quoted at from 18s. to 19s. per lb., spot.

GERANIUM.—Bourbon on spot is at from 45s. to 50s. per lb., as to grade; shipment offers are at about 45s., c.i.f. African, 60s. per lb., spot.

PALMAROSA.—Quoted on spot at 32s. per lb.; the forward market is harder with shipment quotations at 27s. 9d., c.i.f.

TEASEED.—Spot supplies are offered at from 25s. to 28s. per gall. of 9 lb.

TI-TREE.—Quotations are from 6s. 6d. to 7s. per lb., according to quantity.

VETIVERT.—Bourbon on spot is quoted at from 65s. to 70s. per lb., as to grade.

YLANG YLANG.—Bourbon, 60s. to 80s. per lb., as to grade and seller.

COMING EVENTS

Monday, February 21

Isle of Thanet Branches, National Pharmaceutical Union and Pharmaceutical Society, Ambassadeur's Restaurant, Turner Street, Ramsgate, at 8 p.m. Mr. G. H. M. Graham (chairman, N.P.U.) on "Random Sample."

Tuesday, February 22

Birmingham Branch, Pharmaceutical Society, Room 509, Central Technical College, at 8 p.m. Film: "The Atom and Atomic Energy."

Chesterfield Branch, Pharmaceutical Society, Board Room, Royal Hospital, Chesterfield, at 8 p.m. Miss M. A. Burr (a member of the Society's Council) on "A Review of Pharmaceutical Education."

Eastbourne Branch, Pharmaceutical Society, Towner Art Gallery, Borough Lane, Eastbourne, at 7.45 p.m. Dr. R. D. Andrews on "Moulds and their Effect on Everyday Life."

Irish Pharmaceutical Students' Association, 67 Lower Mount Street, Dublin, at 8.15 p.m. Dr. F. Wrigley on "Modern Trends in Vitamin Therapy."

Fine Chemicals Group, Society of Chemical Industry, Large Anatomy Theatre, King's College, Strand, London, W.C.2. Annual meeting at 7 p.m., followed at 7.30 p.m. by discussion on "Process Research in the Fine Chemical Industry," opened by Drs. H. J. Barber and G. M. Dyson, and Mr. F. J. Bolton.

Wednesday, February 23

Brighton Technical College, School of Pharmacy, at 7 p.m. Dr. B. A. Young on "Clinical Aspects of the Antibiotics" (second in series of eight weekly post-graduate lectures; fee for course, 21s.).

Chelsea Polytechnic Pharmacy Association, Caxton Hall, Westminster. Reunion dance.

London Chemists' Golfing Society, 17 Bloomsbury Square, London, W.C.1, at 7 p.m. Annual meeting.

Northumberland and Durham Chemists' Golfing Society, Crown Hotel, Newcastle, at 6.30 p.m. Annual meeting followed at 7.30 p.m. by dinner and presentation of prizes.

Slough Branch, Pharmaceutical Society, Castle Hotel, Windsor, 7 for 7.30 p.m. Dinner and dance.

West Kent Branch, National Pharmaceutical Union, Central Library, Beckenham, at 8 p.m. Mr. R. H. Kemp, Ph.C. (local organisations officer, N.P.U.) on "Problems of Proprietary Medicines."

Thursday, February 24

Bradford Branch, Pharmaceutical Society, Room 14, Midland Hotel, Bradford, at 7.30 p.m. Address by Mrs. J. K. Irvine (a former president of the Society).

Dartford Branch, Pharmaceutical Society, Wellcome Club, High Street, Dartford, at 8 p.m. Demonstration and address on "The Use of Modern Make-up" by Mr. Ronald Hawksworth (Max Factor (Hollywood), Ltd.).

Guild of Public Pharmacists, Association of Scientific Workers and Confederation of Health Service Employees, Ambassador's Hotel, Upper Woburn Place, London, W.C.1, at 10.30 a.m. Delegate conference on salary negotiations.

Thames Valley Branch, National Pharmaceutical Union, Kingston Hotel, Kingston-on-Thames, at 7.45 p.m. Mr. G. H. M. Graham on "Random Sample."

West Ham Association of Pharmacists, B House Restaurant, Aldwych, London, W.C 6 for 6.30 p.m. Annual dinner and dance

Friday, February 25

Wallasey Pharmacists' Association, Hotel V toria, New Brighton, 7.45 for 8.15 p.m. Dinr Tickets (10s. 6d. each) from Mr. A. R. All 64 Martin's Lane, Liscard, Wallasey.

Wembley Chemists' Association, Town H Wembley, at 7.45 p.m. Miss D. Murgatro M.P.S., on "The Work of a Pricing Office."

Saturday, February 26

Cork Branch, Guild of Pharmacy, Clare Hall, Imperial Hotel, Cork. Annual dance.

Harrow Branch, Pharmaceutical Society, holding its annual dinner and dance at Kerswe Restaurant, Eastcote, on March 9. Tick (10s. 6d. each) from the secretary, 21 Hillcr Avenue, Pinner.

Walsall Branch, Pharmaceutical Society, holding a dance at the Masonic Hall, Walsall, March 10, 8 p.m.-1 a.m. Tickets 3s. 6d. e (refreshments extra).

TRADE MARKS

(From the "Trade Marks Journal," February

"Topanol"; by Imperial Chemical Industr Ltd., Slough; 662,980-82. For industrial scientific chemicals (1); for detergents (3).

"Balistoid"; by Reliance (Nameplates), L Twickenham; 668,244-45. For industrial scie fic and photographic chemicals (1); for scie fic and optical apparatus and instruments (9)

"L.L." in device of square; by Parfums Luc Lelong, Paris; B655,118. For perfumes (3)

"Valeto"; by Gourchand Frères, London, S.W 660,870. For hair cream (3).

"Liqua-Pax"; by Fitchetts, Ltd., Birmingha 664,154. "Bangon"; by Robert Alban Bl Romford; B666,775. "Oxydol" on rectangu device; by Thomas Hedey & Co., Ltd., N castle-on-Tyne; 667,523. "Trimagard"; Trimite, Ltd., Greenford; 669,015. For so (3).

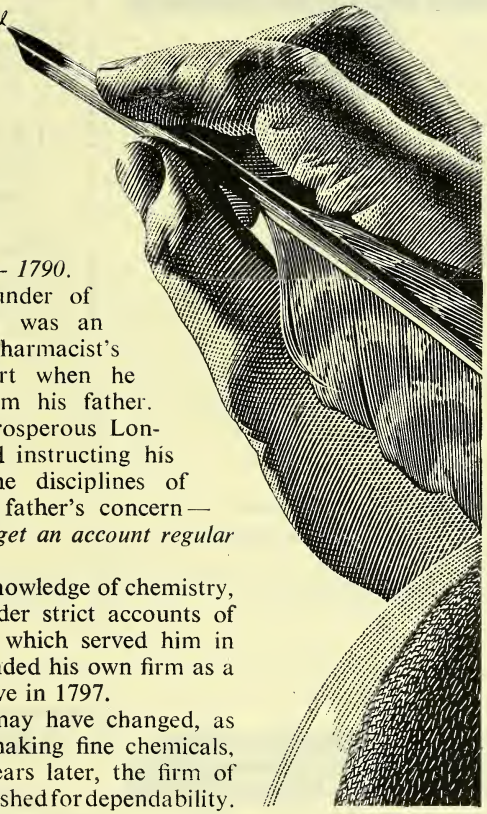
"Eau de Cologne du Coq" on label device cluding cock; by Guerlain, Ltd., Peri 665,031. "Gornita"; by Gorney, Ltd., M chester; 669,223. For non-medicated toilet p parations (3).

"Anapeps"; by Mayfair Laboratories, Ltd., L don, W.C.2; 667,446. For non-medicated h preparations (3).

"Bedouin" and "Tranquil"; by Crome & M chell, Ltd., London, E.14; 668,775-76. perfumes, essential oils and cosmetic prepa tions (other than toilet preparations) (3).

"Rheumelim"; by Boots Pure Drug Co., L Nottingham; B661,855. "Diaginol"; by M & Baker, Ltd., Dagenham; 663,8 "Befolin"; by Allen & Hanburys, Ltd., L don, E.2; 665,680. "Roquessine"; by Etab sements Roques, Paris; 666,026. "Pepsamints by Hough, Hoseason & Co., Ltd., Manchest 666,493. "Glissettes"; by Koray, L London, W.1; 667,242. "Antabus"; by I Danske Medicinal- & Kemikalie-Kompag Aktieselskab, Copenhagen; 669,300. For ph maceutical preparations (5).

Thy accounts appear to be allowable, only 20/- seems a great price for boots, but I have not bought a pair many years and hardly know the present run



Old Street, London — 1790.
Luke Howard, the founder of the firm of Howards, was an eighteen - year - old pharmacist's apprentice in Stockport when he received this letter from his father.

Robert Howard, a prosperous London tinsmith, continued instructing his absent son in all the disciplines of character which are a father's concern—
"*How is it that I don't get an account regular and straightforth?*"
Along with a growing knowledge of chemistry, the boy learned to render strict accounts of both money and time, which served him in good turn when he founded his own firm as a young man of twenty-five in 1797.

The price of boots may have changed, as have the methods of making fine chemicals, but today, over 150 years later, the firm of Howards is still distinguished for dependability.

HOWARDS

HOWARDS OF ILFORD

HOWARDS & SONS LTD., ILFORD, near LONDON

Telephone: Ilford 3333 : Telegrams: Quinology Ilford

TBW

ALL BRITISH PRODUCTS

Nipa ESTERS

ALWAYS RELIABLE

NIPAGIN
NIPASOL
NIPASEPT
NIPABUTYL
NIPABENZYL

PRESERVATIVES AND ANTISEPTICS available in both Purified standardised and Technical Grades and as Sodium Compounds

PROGALLIN (A and P) ANTIOXIDANTS available in both Purified-standardised and Technical Grades

PHENOXETOL THE SPECIFIC AGENT against Gram-negative Organisms

Consult the Nipa Laboratories Service Department regarding your manufacturing problems and requirements for Preservatives, Antiseptics and Antioxidants

NIPA LABORATORIES LIMITED
TREFOREST TRADING ESTATE nr. CARDIFF
TEL • TAFFS WELL 128

Sole Distributors for the United Kingdom
P. SAMUELSON & CO.
Africa House, 44/46 Leadenhall Street, London, E.C.3
Telephone : Royal 2117/8

LENNONS

The Leading Chemists in

South Africa and Rhodesia

—o—

Established in all important centres for many years.
Wholesale and Retail Chemists & Druggists.
Modernly equipped for Manufacturing and Marketing.

★ *If you are seeking reputable Representatives or desire information, write to:—*

LENNON LIMITED
Head Office: **P.O. BOX 8389**
JOHANNESBURG, SOUTH AFRICA.

or London Agents:—
CAMPBELL BROS., CARTER & CO., LTD
("L" Dept.), Stafford House, (4th Floor)
14/20 King William Street, London, E.C.4
Telephone MANsion House 0761

Pure White
TIN OXIDE
(STANNIC)
Pure Powdered
TIN METAL
for medicinal purposes

Manufactured by:—
KEELING & WALKER, LTD
STOKE-ON-TRENT
Telephone: Stoke-on-Trent 4136/7

KNOW YOUR COSTS

Why be worried with staff and overheads when you send your products to us for packing.
Output can be increased or decreased to suit prevai markets, therefore, you are not committed to hold l stocks or staff and your overheads are cut to a minim

Let us quote you
T. J. FAVELL & CO. LTD.
192 Seven Sisters Road, London, N.
ARChway 1846

DEGA BRAND

Chemicals & Drugs

Adrenalin
Amidopyrine
Carbromal
Carmine
Chloral Hydrate
Cinchophen
Creosote ex Beechwood
Diastase
Ichthammol
Pancreatin
Papain
Pepsin
Phenazone
Phenobarbitone
Sulphaguanidine
Sulphathiazole
Soluble

Essential Oils

We are specially placed to offer the following high grade products

CINNAMON BARK B.P.
TERPENELESS OILS
LIME — ORANGE — LEMON
etc., etc.

Write for samples and prices

NOTE OUR NEW ADDRESS AND TELEPHONE NUMBER

CHAS. ZIMMERMANN & CO. LTD.

DEGA WORKS

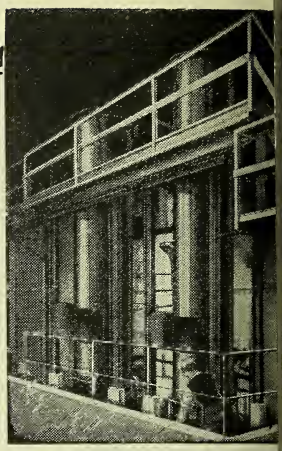
WALMGATE ROAD PERIVALE MIDDLESEX

Telephone: Perivale 9121 (four lines)

Telegrams: Acidolan Greenford Middx.

DEGA BRAND

An impression of one of our Quinine Extraction Plants (Our own design)



JARVIE *for* Quinine

Established 1892

H. JARVIE & COMPANY LIMITED COATBRIDGE SCOTLAND

Export Dept., 10, Portman St., London, W.1.

Glass Tubes By The Million

YOUR 1949 CONTRACT SHOULD SECURE THE BEST QUALITY, SERVICE AND PRICE

CONSULT THE SPECIALISTS

F. COPLEY & CO. Beeston, Notts.

THE NEW PREPARATION

which you may be contemplating will need a label which will inspire confidence and help to establish a good and increasing sale. We shall be pleased to hear from you.

JAMES TOWNSEND & SONS, Ltd. • *Label Printers* • EXETER

Quality... speed... reliability!

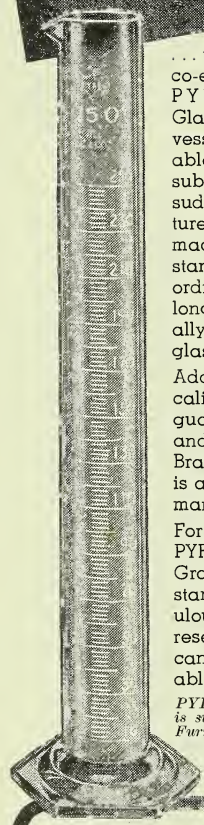
DRUGS
OINTMENTS
CUSTOMER'S OWN FORMULAE
PHARMACEUTICAL CHEMICALS
ESSENTIAL OILS
GALENICALS
TABLETS

J·GOODMAN CHEMICALS LTD

— DEVONSHIRE WORKS CHISWICK W4 —

EPHONES: CHISWICK 2538/9, 3385/6 TELEGRAMS: JAYGOOCHEM·CHISK·LONDON

$\alpha = 3{\cdot}2 \times 10^{-6}$



. . . this is the remarkably low co-efficient of expansion of PYREX Brand Graduated Glassware. This means that vessels made of this remarkable glass are much less subject to fracture due to sudden changes of temperature, while they can also be made sufficiently thick to stand up to the stresses of ordinary handling for a much longer period than is normally expected of laboratory glassware.

Add to these advantages calibrations of an accuracy to guarantee reliability in use, and it is clear why PYREX Brand Graduated Glassware is an important feature in so many research laboratories.

For everyday laboratory work PYREX Brand Glassware is Graduated to **N.P.L. Class B** standard, but for more meticulous analysis or intricate research work, **N.P.L. Class A** can be supplied at a reasonable extra cost.

PYREX Brand Graduated Glassware is supplied only through Laboratory Furnishers, but illustrated catalogue and two free copies of our Chemist's notebook will be sent direct on application to us.

PYREX
Registered Trade Mark Brand
GRADUATED GLASSWARE

Made by James A. Jobling & Co. Ltd., Wear Glass Works, Sunderland. G69C

And now—

MATHAPLAST

PLASTIC WATERPROOF FIRST AID DRESSING

ADVERTISEMENTS in the leading daily papers are building strong goodwill for these new Mathaplast dressings. Specially prepared by the makers of Mathaplast Fabric Elastic Dressings, they fill a definite demand for a washable dressing which is proof against oil and grease whilst fitting snugly and toning with the skin.

By the makers of Mathaplast Fabric Elastic Dressings

WM. MATHER LTD. Manchester 15

JN.583

Fine Quality

ESSENTIAL OILS

EUCALYPTUS OIL B.P.

Brazilian

MENTHOL CRYSTALS

China Star

OIL OF ANISEED

Samples and details on request

A. G. HERSON

142a CANBURY PARK ROAD, KINGSTON-UPON-THAMES

Tel.: Kingston 8911 *Grams.: Hersom, Phone, Lond*

MYSORE

Since 1913, when the Mysore Department of Industries was instituted, the industrial development of Mysore has gone steadily ahead. Plans in hand to develop still further Mysore's vast resources will continue a record of progress that has earned for Mysore its proud title of "The model state of India." One of the most famous of its many products is sandalwood oil. Made in the Government sandalwood oil factory, strict supervision during every process guarantees a standard of purity and quality that is unequalled.

SANDALWOOD OIL

For further information apply to

TRADE COMMISSIONER FOR MYSORE

Grand Buildings, Trafalgar Square, London, W.C.2

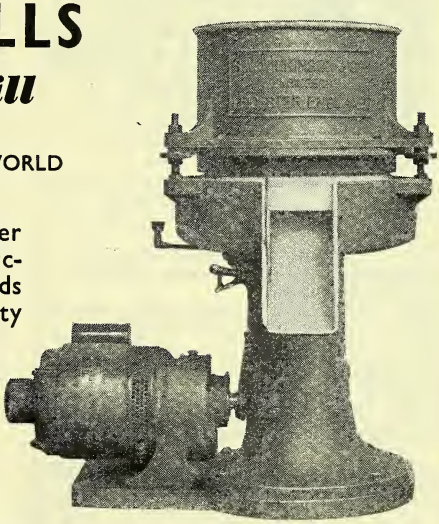
OINTMENT MILLS

Super Speedy Mill

IN REGULAR USE ALL OVER THE WORLD

THIS Machine is a combined Mixer and Grinder and is used very successfully in the production of all kinds of Ointments, Tooth Pastes, Beauty Creams, Patent Foods, etc.

Each Machine incorporates Thirty Years' Accumulated Experience



S. W. WILKINSON & CO. LTD.,

Chemical Engineers and Specialists in Pharmaceutical Machinery

WESTERN ROAD - LEICESTER

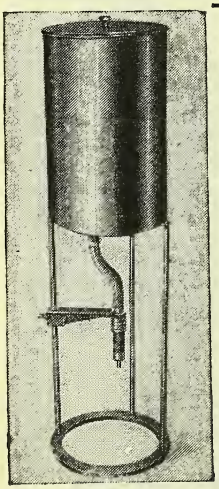
The
BEATSON MEDICAL

A bottle of quality. The retention of the vial lip for easy pouring is combined with all the advantages of modern design, including the elimination of internal sharp corners allowing rapid dispersal of sediment.

★ *Plain or Graduated*
Cork Mouth or Screw Capped

BEATSON, CLARK & CO. LTD
MANUFACTURERS OF CHEMICAL AND MEDICAL GLASS
ROTHERHAM • *Established 1751* • YORKS.

BC.68



ADELPHI SEMI-AUTOMATIC FILLING UNIT

For filling every type of bottle
★
Incorporates our well-known Autofiller filling device.
★
HAND OPERATED, GRAVITY FED
★
NON-CORRODIBLE
★
RAPID FILLING
★
NO INSTALLATION
★
PROMPT DELIVERY

SOLE MAKERS ALSO OF THE ADELPHI BOTTLE WASHER, POWDER BLENDER and OINTMENT MILL

Ready for instant use.

ADELPHI MANUFACTURING CO. LTD.
DEPT. A4, 393a CITY ROAD, LONDON, E.C.1
Telephone: TERminus 2959 A

"Eagle" Brand Chemicals

B.P.
PRECIPITATED
SULPHUR

PHOTOGRAPHIC
HYPO
AND
SULPHITE
— CRYSTALS and ANHYDROUS —

EPSOM SALTS
GLAUBER SALTS
ARSENIATE OF LEAD

Enquiries Invited

JOHN RILEY & SONS, LTD
Chemical Manufacturers
HAPTON near BURNLEY

Telegrams "Rileys Hapton"
Telephone Padiham 290/1

Flamingo ROLL-TOP POWDER COMPACT

To, All Interested in Powder Compacts. February, 1949.

Dear Sirs,

It is with considerable pride and pleasure that we introduce FLAMINGO - an entirely new concept in powder compacts. FLAMINGO is not merely different - it is better - in every way.

The FLAMINGO will appeal to you because its every detail bears the hallmark of craftsmanship. For instance, the catch is of the spring plunger and latch type, made like a high class lock. The flush hinge operates by a concealed spring which raises the lid at the touch of a finger and reveals the most attractive interior yet created. And we have achieved REAL POWDER TIGHTNESS by a most ingenious mechanism which you simply must see to appreciate.

Get in touch with your wholesaler to-day for trade terms etc.

Yours faithfully,
FULMEN ENGINEERING LIMITED.
F. L. Cohen.
Managing Director.

FULMEN ENGINEERING LIMITED
88 STAMFORD ROAD DALSTON N.1. PHONE: CLISSOLD 3934 & 0600

GUMS
Acacia
Tragacanth
Karaya
Benzoin
Copal
Mastic
Damar

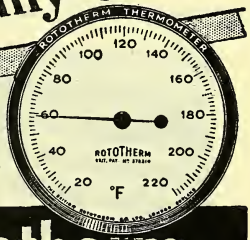
SHELLACS and WAXES
Japan Wax, White Bees Wax, Candelilla Wax, Carnauba Wax
In natural and powder form

Official Agents:
ANGELO BROS. LTD
SHELLACS

A. F. SUTER & CO., LTD.
15 Philpot Lane,
London - E.C.3.
Phone: MANsion House 2274/5

Rototherm
THE ROLLS-ROYCE OF THERMOMETERS

over 1,000,000 in daily use -

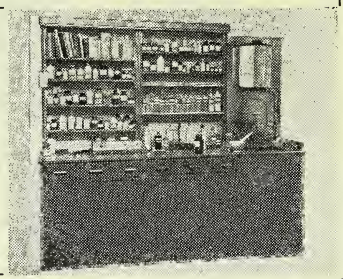


For every Industrial or Domestic application

Rototherm

THE BRITISH ROTOTHERM CO., LTD., MERTON ABBEY
LONDON, S.W.19 and at 87 St. Vincent St., Glasgow, C.2

SHOP, DISPENSARY and LABORATORY FITTINGS



Dispensary Unit

Enquiries Invited for Complete Pharmacy and Laboratory fixtures and fittings or Individual Units

D. MAWDSLEY & CO. SHOPFITTING DEPT.
64 Faulkner St., MANCHESTER, 1
Tel. No.: CENtral 7666 (4 lines)

QUALITY & QUANTITY

Rolls 1/2 Packets 1/1

Satino

TOILET PAPERS

KWICKDRY PAPER TOWELS
In perforated rolls for Domestic use.

B.I.F. Stand M.36 Olympia May 2-13

Super Soft

The Paper Specialists:
FREEDER BROTHERS PAPER MILLS
BRIMSDOWN, ENFIELD, MIDDLESEX

FOR SCIENTIFIC AND MEDICAL GLASSWARE OF SUPERLATIVE QUALIT

FRANCO-BRITISH GLASS CO. LTD
15-17 KING ST., ST. JAMES'S
LONDON, S.W.1
TELEPHONE: ABBEY 4151

if it's bronzing, restoration spraying, re-toning, maintenance etc. -*it's*

BRONZING OF EVERY DESCRIPTIO

NU-BRONZE LT

We will give expert advice on all probler affecting Shopfront cleaning and servicing, Bron ing and spraying, etc. Let us quote for yo requirements. Estimates FREE.

4 & 5 WHITEHORSE BUILDINGS
100 HIGH HOLBORN, LONDON, W.C.1
Holborn 7967/8

Specialists in Bronze Restoration and Maintenan

Almond Oil B.P.

COLD PRESSED

from

SWEET ALMONDS

equal in every way to
our pre-war quality

Samples and prices on request

WHIFFENS

Manufacturers of Fine Chemicals for nearly a century

WHIFFEN & SONS LTD (British Chemicals & Biologicals Ltd)
Fulham · London · SW6 · *Tel:* Renown 3416 · *Grams:* Whiffen London

The CHEMIST AND DRUGGIST
FEBRUARY 19, 1949

4 NIVEA SELLING AIDS

To help you sell more Nivea Creme—already a quick-moving low-priced line—we offer these sales aids. Send in the coupon below.

NIVEA SELF-SERVER

Stands on counter, pleasing appearance. Intrigues customers into serving themselves by just pulling out a packet. Replacement is automatic once container is filled.

SHOWCARDS

Attractive showcards for window or counter, in full colour, showing the wide range of uses of Nivea Creme.

PRESS ADVERTISING

Colour advertisements now appearing in magazines; black and white advertisements in national and provincial newspapers.

NIVEA MANUAL

Packed with useful information about Nivea. Enables you and your assistants to answer customers' queries about Nivea.

Post NOW

Please send me

(1) Self Server & . . . . doz. Nivea Creme No. 368 in Self-Server Refill cartons @ 10/10d. per doz.

(2) Showcards (3) Nivea Manual

Name .....

Address .....

..... *Date* .....

FILL IN AND POST TO
HERTS PHARMACEUTICALS LIMITED,
WELWYN GARDEN CITY, HERTS